

# UNIVERSITY OF GUAM



# UNIBETSEDÁT GUAHAN

Undergraduate Catalog  
2013-2014





2013-2014

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## UNIVERSITY OF GUAM

### **POLICY FOR EQUAL EMPLOYMENT OPPORTUNITY AND NON-DISCRIMINATION/NON-HARASSMENT**

(Adopted on July 17, 2007, as Board of Regents Resolution No. 03-24)

The University of Guam (UOG) is committed to maintaining the campus community as a place of work and study for faculty, staff, and students, free of all forms of discrimination and harassment that are unlawful under Title VII of the Civil Rights Act of 1964, as amended, 42 U.S.C. §2000e, et seq., or other applicable law. The University prohibits unlawful discrimination or harassment against any member(s) of the University community, including faculty, student, employees, staff and administrators and applicants for such positions. This policy prohibits retaliation because one has in good faith filed a complaint concerning behavior prohibited by this policy, or has reasonably opposed, reported or stated the intent to report such behavior, or is participating in a related investigation, proceeding or hearing regarding such a matter. All members of the University community must comply with this policy.

In case of questions or concerns regarding this policy, please contact:

Elaine Faculo-Gogue, Institutional Compliance Officer  
Equal Employment Opportunity (EEO)/  
Americans with Disabilities Act of 1990 (ADA) and Title IX Office  
UOG Station  
Mangilao, GU 96923  
Telephone No.: (671) 735-2244  
Telephone Device for the Deaf (TDD) No.: (671) 735-2243  
Email: [eeo-ada@uguam.uog.edu](mailto:eeo-ada@uguam.uog.edu)

*The University of Guam is accredited by:*

*The Western Association of Schools and Colleges  
Accrediting Commission for Senior Colleges and Universities  
985 Atlantic Avenue, Suite 100  
Alameda, CA 94501  
Phone: 1-510-748-9001  
Fax: 1-510-748-9797  
E-mail: [wascsr@wascsenior.org](mailto:wascsr@wascsenior.org)  
Internet: [www.wascweb.org](http://www.wascweb.org)*

The University of Guam is an Equal Opportunity Employer and Provider.



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## **UNIVERSITY OF GUAM POLICY AND PROCEDURE FOR STUDENTS AND APPLICANTS WITH A DISABILITY**

(Adopted on October 28, 2004 as Board of Regents Resolution No. 04-32 superseded by BOR Resolution No. 10-11, April 22, 2010)

In accordance with the Americans with Disabilities Act (ADA) of 1990 and the Rehabilitation Act of 1973, the University of Guam does not discriminate against students and applicants on the basis of disability in the administration of its educational and other programs. The University will reasonably accommodate individuals with disabilities, as defined by applicable law, if the individual is otherwise qualified to meet the fundamental requirements and aspects of the program of the University, without undue hardship to the University. Harassment on the basis of disability issues is prohibited.

The University offers reasonable accommodation for students in accordance with the UOG Policy and Procedure for students and applicants with a disability. The ADA Office can be contacted at telephone number (671) 735-2244 or Telephone Device for the Deaf (TDD) number (671) 735-2243. Students who seek academic accommodations are expected to contact the coordinator well in advance of the commencement of courses, and to provide the requested supporting information to the Coordinator at least four weeks before classes begin. The ADA policy can be found on the University's website: [www.uog.edu](http://www.uog.edu).

### **EQUAL OPPORTUNITY STATEMENT**

The University is an equal opportunity employer and is firmly committed to non-discrimination in its hiring, termination, compensation, promotion decisions and in all other employment decisions and practices and in the application of its personnel policies and collective bargaining agreements. Harassment based on race, sexual orientation, gender, national origin, color, religion, religious creed, age, disability, citizenship status, military service status, or any other status protected by law, is also prohibited by University policy. Prohibited harassment, in any form, is a violation of University policy and will not be tolerated.

Administrators, directors, managers and supervisors must inform employees of the policies prohibiting discrimination and harassment, emphasize the policy of zero tolerance, and deal promptly with any problem situations. Each of us is expected to maintain high standards of honesty, integrity and conduct. Ultimately it is not laws, regulations, or policies that create a quality equal opportunity environment, it is people respecting and encouraging other people.

### **TITLE IX COMPLIANCE STATEMENT**

The University of Guam does not discriminate on the basis of sex in the admission to or employment in its education programs or activities. Inquiries concerning the application of Title IX and its implementing regulations may be referred to the University's Title IX Coordinator, located at the EEO/ADA Office, Dorm II, Iya Hami Hall, Room 104, Tel. No. 735-2244, TTY: 735-2243; or to the Office of Civil Rights (OCR).

#### **NOTE TO THE READER**

*The University reserves the right to withdraw or modify courses of instruction at any time. Review of academic, financial, and other considerations leads to changes in the policies, rules, and regulations applicable to students. The University therefore reserves the right to make changes at any time. These changes may affect such matters as tuition and all other fees, degrees and programs offered (including the modification or possible elimination of degrees and programs), degree and other academic requirements, academic policies, rules pertaining to student conduct and discipline, fields or areas of concentration, and other rules and regulations applicable to students.*

*While every effort has been made to ensure that this catalog is accurate and up-to-date, it may include typographical or other errors. Changes are periodically made to this publication and will be incorporated in supplements and/or new editions. Changes and updates may be accessed online at [www.uog.edu](http://www.uog.edu)*



## A MESSAGE FROM THE PRESIDENT

Hafa Adai and welcome to the University of Guam. This campus is your place of learning, your home, and your natural choice for higher education. The University was founded as the Territorial College of Guam in 1952. Since then, it has maintained its accreditation by the Senior Commission of the Western Association of Schools and Colleges. In 1972, we became a U.S. land-grant institution. UOG offers a wide range of degree programs and professional development opportunities that meet the needs of our dynamic island society and the surrounding region.

This year, the University will continue its progression from Good to Great. Each program will evaluate itself using four broad criteria for analysis: 1) Fit to UOG's Statement of Greatness, 2) Sustainability, 3) Quality, and 4) Demand and Relationships. This process will culminate in a plan to set priorities and resources which will be implemented in AY2014-2015.

You may wonder what this means to you as a student. It means that every program or unit must demonstrate that: it is aligned with and contributes to the University's greatness; resources are used efficiently and that additional resources are acquired to ensure program/unit sustainability; every program and unit embraces our motto of "excelsior" (ever upward) through the articulation and demonstration of high standards of achievement and quality improvement; and every program/unit is responsive to and involves its customers in present and future planning. It means that UOG's commitment to providing a quality higher education to you is evident in both word and deed.

As we embark on this journey together, I encourage you to remain committed to your education, explore all that the University has to offer, and take an active role as a member of the University of Guam community. Thank you for making the University of Guam the natural choice for our island and region.

Biba UOG!

Robert A. Underwood



## A MESSAGE FROM THE SENIOR VICE PRESIDENT FOR ACADEMIC AND STUDENT AFFAIRS

*Buenas yan Hafa Adai!* On behalf of the faculty, staff, and administration of the Office of Academic and Student Affairs, I want to welcome and congratulate you on your decision to pursue undergraduate studies at your University of Guam! The University is committed to our mission: *Ina, Diskubre, Setbe* - To Enlighten, To Discover, To Serve. As a U.S. Land Grant institution of higher learning, UOG prides itself on being a relevant and premier U.S. regionally accredited American university strategically situated in Micronesia and at the crossroads of Asia and the Pacific.

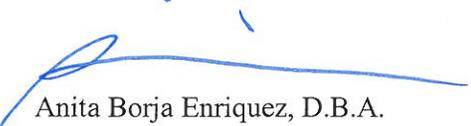
This Undergraduate Catalog serves as your roadmap that explains the various undergraduate degree programs of the University of Guam, augmented by information on academic rules and procedures, with supplementary information on services and resources available to our students. Our dedicated and committed UOG citizen faculty scholars provide an array of outstanding programs to pursue within the College of Liberal Arts and Social Sciences, College of Natural and Applied Sciences, School of Business and Public Administration, School of Education, and School of Nursing and Health Sciences. The University of Guam is proud to present its outstanding professionally accredited programs to the community that address the changing local, regional, and global environments we face.

Our strategic intent is to ensure student success through our quality programs and comprehensive student support services. The dedicated staff of the Office of Admissions and Records joins me in welcoming inquiries and visits from potential or continuing undergraduate students. Our team of academic administrators and faculty is committed to your successful achievement of degree program learning outcomes.

We hope you will take advantage of course-based service learning and engaging opportunities to maximize your quality experience as a new Triton, and participate in any one or a combination of our very active student organizations. Program specific internships and capstone experiences will also serve to strengthen your overall professional development within your respective degree program.

Your undergraduate work at the University of Guam is not only an investment in your future but also in the futures of the diverse communities of Guam, Micronesia and the neighboring regions of the Pacific and Asia. Thank you for making our fine institution your Natural Choice for your pursuit of a quality baccalaureate degree education.

*Biba UOG!*



Anita Borja Enriquez, D.B.A.  
Interim Senior Vice President, Academic and Student Affairs

**DEGREE PROGRAMS**

The University of Guam offers degree programs within two colleges and three schools. Six Baccalaureate (BA, BA Ed., BBAA, BS, BSN, and BSW) and six Master's (MA, MEd., MPA, MS, PMBA, SW) degrees are offered. All listings include majors and minors unless otherwise specified.

For more information about Master's degrees, see the UOG Graduate Bulletin or online at [www.uog.edu](http://www.uog.edu)

**COLLEGE OF LIBERAL ARTS AND SOCIAL SCIENCES****A. BACHELOR OF ARTS (B.A.)**

1. Anthropology
2. Communication (Tracks: Communication Studies, Journalism, Mass Media Studies, and Public Relations)
3. English (Emphases: Literature, Language and Education)
4. Fine Arts (Tracks: Art, Music, Theater)
5. Geography (Minor Only)
6. History
7. Interdisciplinary Arts and Sciences
8. Japanese Language (Minor Only)
9. Pacific – Asian Studies (Tracks: Chamorro, East Asian and Japanese)
10. Philosophy
11. Political Science
12. Psychology
13. Sociology
14. Women & Gender Studies (Minor and Certificate only)
15. Writing (Minor Only)

**B. MASTER OF ARTS (M.A.)**

1. Art
2. English
3. Micronesian Studies (Major and Certificate)

**C. MASTER OF SCIENCE (M.S.)**

1. Clinical Psychology

**COLLEGE OF NATURAL AND APPLIED SCIENCES****A. BACHELOR OF SCIENCE (B.S.)**

1. Biology
2. Tropical Agricultural Science
3. Chemistry
4. Computer Science
5. Computer Information Systems
6. Mathematics
7. Physical Education/ School Health (PK-12)

**B. BACHELOR OF ARTS (B.A.)**

1. Consumer and Family Sciences

**C. BACHELOR OF SOCIAL WORK (B.S.W.)****D. MASTER OF SCIENCE (M.S.)**

1. Biology
2. Environmental Science

**E. OTHER**

1. Pre-Engineering Science Program
2. Pre-medical, Pre-optometry, Pre-dental, and Pre-veterinary Programs
3. Pre-Pharmacy
4. Nutrition (Minor Only)
5. Military Science (Minor Only)

**SCHOOL OF BUSINESS AND PUBLIC ADMINISTRATION****A. BACHELOR OF BUSINESS ADMINISTRATION IN ACCOUNTING (B.B.A.A.)****B. BACHELOR OF BUSINESS ADMINISTRATION (B.B.A.)**

Business Administration Concentrations:

- a. Entrepreneurship
- b. Finance & Economics
- c. Human Resource Management
- d. International Tourism and Hospitality Management.
- e. Marketing
- f. Custom Designed Concentration (as approved by an SBPA Faculty and the Dean)

**C. BACHELOR OF SCIENCE (B.S.)**

1. Criminal Justice
2. Public Administration
3. Health Services Administration (Minor & Certificate only)
4. Paralegal Studies (Minor & Certificate Only)

**D. MASTER OF PUBLIC ADMINISTRATION (M.P.A.)****E. PROFESSIONAL MASTER OF BUSINESS ADMINISTRATION (P.M.B.A.)****SCHOOL OF EDUCATION****A. BACHELOR OF ARTS IN EDUCATION (B.A.Ed.)**

1. Early Childhood Education
2. Elementary Education  
Elementary Education with Chamorro Language & Culture Teaching Specialty
3. Second Language/Elementary Education
4. Secondary Education
5. Special Education

**B. MASTER OF ARTS IN COUNSELING (M.A.)**

1. School Counseling
2. Community Counseling

**C. MASTER OF EDUCATION (M.Ed.)**

1. Administration and Supervision
2. Reading
3. Secondary Education
4. Special Education
5. TESOL

**D. MASTER OF ARTS IN TEACHING (M.A.T.)****E. CERTIFICATE IN SECONDARY EDUCATION TEACHING****SCHOOL OF NURSING AND HEALTH SCIENCES****A. ASSOCIATE DEGREE IN NURSING (A.D.N.)****B. BACHELOR OF SCIENCE IN NURSING (B.S.N.)****C. BACHELOR OF SCIENCE IN HEALTH SCIENCE (B.S.)**

Health Science Concentrations:

- a. Exercise Science and Health Promotion
- b. Pre-Physical Therapy
- c. Public Health

**RFK MEMORIAL LIBRARY****LIBRARY SCIENCE (Minor and Certificate Only)**



# 2013 - 2014 CALENDAR AT A GLANCE

The dates listed below for application and registration into the University of Guam are **recommended timelines** that students are encouraged to observe. The University will continue to accept applications and process registration for new, first-time and returning students **up to the last day of Late Registration as space is available**. However, those applicants must provide complete documentation at the time of application for acceptance into the University.

## FALL 2013

- July 11 **Fall 2013 English Placement Test** – Last Names (A-C) 9:30 a.m., Last Names (D-L) 01:30 p.m. CLASS Lecture Hall. (For More Information, call 735-2725). Bring picture ID with Social Security Number and payment receipt from admissions application.  
  
**FALL 2013 Math Placement Test** by Last names – 08:00 am (A-C), 12:00 pm (D-L), CLASS Lecture Hall (For more information, call 735-2825). Bring picture ID with Social Security Number and payment receipt from admissions application.
- July 12 **Fall 2013 English Placement Test** – Last Names (M-R) 9:30 a.m., Last Names (S-Z) 01:30 p.m. CLASS Lecture Hall. (For More Information, call 735-2725). Bring picture ID with Social Security Number and payment receipt from admissions application.  
  
**FALL 2013 Math Placement Test** by Last names - 08:00 am (M-R), 12:00 pm (S-Z), CLASS Lecture Hall. (For more information, call 735-2825). Bring picture ID with Social Security Number and payment receipt from admissions application.
- August 5 & 6 **Transition Student Registration FALL 2013 – English Department, 2<sup>nd</sup> floor EC building**
- August 7 ~ 9 **FALL 2013 - Open Registration**  
Admissions and Records Office, Web Advisor, or any Satellite location (8:00 a.m.- 5:00 p.m., Monday - Friday). Payment due August 29, 4pm.
- August 13 ~ 16 **New Student Registration for FALL 2013**  
**Senior Citizens notify Records Office of intent to participate in tuition waiver program.**
- August 16, 19 & 20 **FALL 2013 Late Registration And Schedule Adjustment (For All Students)**. Register at the Admissions and Records office, Web Advisor, or any Satellite location (8:00 a.m. - 5:00 p.m., Monday - Friday).
- August 21 **FALL 2013 Weekday Classes Begin**
- August 21-27 **FALL 2013 Schedule Adjustment (Drop & Add Courses)** - Make schedule adjustment at the Records office, or any Satellite location (8:00 a.m. - 5:00 p.m., Monday - Friday) Cancellation Fees applies.
- August 24 **FALL 2013 Saturday Classes Begin**
- August 27 **Last day to register for Course by Conference for FALL 2013**. Forms available at the Professional and International Programs (PIP) office located in the 2<sup>nd</sup> floor of the Computer Center building.

**Deadline to Withdraw Without Transcript Records Entry for FALL 2013.**

- August 28 **Senior Citizen Tuition Program Registration for Eligible residents (55+). Contact# 734-2210/11**
- August 29 **Payment Deadline for Fall Registration:** Final payment for Fall 2013 Registration must be received by 4:00pm, August 29, 2013; otherwise, your registration will be cancelled. If you are a financial aid recipient or are interested in financial aid, please contact the Financial Aid Office to ensure that all necessary documents are complete before the payment deadlines.
- September 2 **Holiday - Labor Day\***
- October 9 **Last Day for Voluntary Withdrawal from FALL 2013 Classes with a Grade of "W"**
- October 16 **Deadline for Special Project and Credit by Exam for FALL 2013.** Forms available at the Professional and International Programs (PIP) office located in the 2<sup>nd</sup> floor of the Computer Center building.
- November 1 **Holiday-All Soul's Day\***
- November 11 **Holiday - Veteran's Day\***
- November 28 **Holiday - Thanksgiving Day**
- November 28-30 **Thanksgiving Break\***
- December 9 **Holiday - Our Lady of Camarin Day\***
- December 13 **Deadline To Submit Petition To Withdraw From FALL 2013 Classes** - Pick-up and submit form at the Admissions and Records Office by 5pm. (One form per class; each form requires individual instructors and advisor signature and approval).  
  
**Last Day of FALL 2013 Classes**
- December 16 **Final Exams-FALL 2013 Saturday classes**
- December 16~18 **Final Exams - FALL 2013 weekday classes**
- December 10-27 **Faculty – Online Grade Posting**
- December 20 **FALL 2013 Semester Ends**  
**Grades Due for Prospective Graduating Students By 5PM.**
- December 22 **FALL 2013 Commencement Ceremony**
- December 23 **Grades for All Students due By 5 P.M.**

## FALL INTERSESSION 2013

- December 10–20 **Fall 2013 Intersession Registration**
- December 23 **Fall 2013 Intersession Schedule Adjustment and Late Registration**
- December 21 **FALL INTERSESSION 2013 BEGINS**
- December 25 **Holiday - Christmas Day**
- January 1 **Holiday – New Year's Day**



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| January 3               | <b>Voluntary Withdrawal deadline for Fall Intersession 2013</b>   | January 22         | <b>SPRING 2014 Weekday Classes Begin</b>  |
| January 15-18           | <b>Faculty Evaluations</b>  | January 22-28      | <b>SPRING 2014 Schedule Adjustment</b> - Make schedule adjustment at the Admissions and Records office, or any Satellite location (8:00 a.m. - 5:00 p.m., Monday - Friday). Cancellation Fee applies.   |
| January 18              | <b>FALL INTERSESSION 2013 ENDS</b>  |                    |   |
| <b>SPRING 2014</b>      |   |                    |   |
| September 3             | <b>Deadline To Submit International (Foreign I-20) Application for Admission for SPRING 2014</b>  | January 25         | <b>SPRING 2014 Saturday Classes Begin</b>   |
| September 27            | <b>Deadline to Submit Application for Degree Completion</b> - Students anticipating SPRING 2014 graduation must pick-up and submit an application to the Records Office.  | January 28         | <b>Last day to register for Course by Conference for SPRING 2014.</b> Forms available at the Professional and International Programs (PIP) office located in the 2 <sup>nd</sup> floor of the Computer Center building.                           |
| October 14              | <b>Deadline to Submit Former Student Reentry Application</b> to participate in SPRING 2014 Early Registration by class level. Students who submit Re-Entry Applications after deadline will participate in SPRING 2014 Open or Late Registration.   | January 29         | <b>Senior Citizen Tuition Waiver Program Registration for Eligible residents (55+).</b>   |
| November 15             | <b>Deadline To Submit Resident/Non-Resident Application (except International students) For Admission</b> to avoid SPRING 2014 Late Registration.   | January 30         | <b>Deadline to make payment by 4:00 pm.</b>   |
| November 4 – December 6 | <b>SPRING 2014 Early Registration by Class Level</b><br>Total credits completed = Class Level. Register at the Admissions Records Office, Web Advisor, or any Satellite location. Make payment on January 30 by 4:00 pm.  | February 21        | <b>Faculty Development Day!</b>   |
| Dec. 10 – 20            | <b>Web Advisor ONLY</b> – Spring 2014 Early Registration.   | March 11           | <b>Charter Day*</b>   |
| November 30 -           | <b>Spring 2014 English and Math Placement Test at the CLASS Lecture Hall.</b><br><b>English Placement</b> Check-in 8:00a.m. Test Start: 8:30a.m. For more information, call 735-2725.<br><b>Math Placement</b> Check-in 10:30a.m. Test Start: 11:00a.m. For more information, call 735-2825.<br><i>Bring picture ID with Social Security Number and payment receipt from admission application.</i> | March 12           | <b>Last Day for Voluntary Withdrawal from SPRING 2014 Classes with a Grade of "W"</b>   |
|                         |   | March 19           | <b>Deadline for Special Project and Credit by Exam SPRING 2014.</b> Forms available at the Professional and International Programs (PIP) office located in the 2 <sup>nd</sup> floor of the Computer Center building.                             |
|                         |   | March 24 – 29      | <b>Spring Break - SPRING 2014*</b>  |
|                         |   | May 16             | <b>Deadline To Submit Petitions To Withdraw From SPRING 2014 Classes</b> - Pick-up and submit form at the Admissions and Records Office by 5PM. One form per class; each form requires individual instructor's and advisor's signature/approval.) |
|                         |   | May 17             | <b>Final Exams - SPRING 2014 Saturday classes</b>   |
|                         |   | May 19-21          | <b>Final Exams - SPRING 2014 Monday to Friday classes</b>   |
|                         |   | May 12-30          | Faculty – Online Grade Posting  |
| January 1               | <b>Holiday - New Year's Day* Observed</b>   | May 23             | <b>SPRING 2014 Semester Ends</b><br><b>Grades for Prospective Graduating Students Due By 5 P.M.</b>   |
| January 6 & 7           | <b>SPRING 2014 Transition student registration - English Department, 2<sup>nd</sup> floor EC building</b>   | May 25             | <b>Commencement - SPRING 2014</b>   |
| January 8,9,10          | <b>SPRING 2014 - Open Registration</b><br>Register at the Admissions and Records office, Web Advisor, or any Satellite location (8:00 a.m. - 5:00 p.m., Monday - Friday).   | May 26             | <b>HOLIDAY! Memorial Day</b>  |
| January 14 -17          | <b>SPRING 2014 New Student &amp; Registration</b><br><b>Senior Citizens notify Records Office of intent to participate in tuition waiver program.</b>   | May 27             | <b>Grades for All Remaining Students Due By 5 P.M.</b>  |
| January 17 & 21         | <b>SPRING 2014 Late Registration and Schedule Adjustment (For all students).</b> Register at the Admissions and Records office, Web Advisor, or any Satellite location (8:00 a.m. - 5:00 p.m., Monday - Friday). <b>Payment must be completed January 31 by 4:00 p.m.</b>   | <b>SUMMER 2014</b> |   |
| January 20              | <b>HOLIDAY! Martin Luther King Jr.</b>  | February 3         | <b>Deadline To Submit SUMMER 2014 International (Foreign I-20) Application For Admission.</b>   |
|                         |   | February 28        | <b>Deadline to Submit Application for Degree Completion</b> Students anticipating SUMMER 2014 or FALL 2014 graduation must submit an application to the Admissions and Records Office.  |



|                    |   |           |  |
|--------------------|---|-----------|--|
| March 4 – March 31 | <b>SUMMER 2014 Early Registration by Class Level</b><br>Total credits completed = Class Level. Register at the Admissions and Records Office, Web Advisor, or any Satellite location. <u>Payment must be completed no later than the second day for each Summer Session.</u>  | July 3    | <b>Last Day of Classes for SUMMER 2014 Session “A”</b><br><b>Deadline to Submit Petition to Withdraw from SUMMER 2014 Session “A” Classes</b> - Pick up and Submit Form at the Admissions and Records Office By 5:00 P.M. (One Form Per Class; Each Form Requires Individual Instructor’s Signature/Approval.              |
| April 1-May 9      | <b>Web Advisor ONLY</b> – Summer 2014 Early Registration.   | July 4    | <b>Holiday - Independence Day</b>  |
| April 18           | <b>Deadline To Submit Resident/Non-Resident Application for Admission</b> to participate in SUMMER 2014 New Student Orientation/Registration.   | July 7    | <b>First Day of Classes, Late Registration &amp; Schedule Adjustment - SUMMER 2014 Session C</b><br><b>Last day to register for Course by Conference for SUMMER ‘C’.</b> Forms available at the Professional and International Programs (PIP) office located in the 2 <sup>nd</sup> floor of the Computer Center building. |
| April 19           | <b>Summer 2014 English and Math Placement Test at the CLASS Lecture Hall.</b><br><b>English Placement</b> Check-in 8:00a.m.; Test Start: 8:30a.m. For more information, call 735-2725.<br><b>Math Placement</b> Check-in 10:30a.m.; Test Start: 11:00a.m. For more information, call 735-2825.<br><i>Bring picture ID with Social Security Number and payment receipt from admission application.</i> | July 9    | <b>Grades For SUMMER 2014 Session “A” Due before 5:00 Pm.</b>  |
| May 26             | <b>Holiday - Memorial Day*</b>  | July 16   | <b>Last Day for Voluntary Withdrawal from SUMMER 2014 Session “C” Classes with a Grade of “W”</b>  |
| May 27-28          | <b>Summer Session Open Registration</b><br>Register at the Admissions and Records office, or any Satellite location (8:00 a.m. - 5:00 p.m., Monday - Friday).   | July 21   | <b>Holiday - Liberation Day*(Observed)</b>   |
| May 29-30          | <b>New Student Summer Session Registration</b>  | July 22   | <b>Deadline for Special Project and Credit by Exam for SUMMER ‘C’.</b> Forms available at the Professional and International Programs (PIP) office located in the 2 <sup>nd</sup> floor of the Computer Center building.   |
| June 2             | <b>First Day of Classes, Late Registration &amp; Schedule Adjustment - SUMMER 2014 Session “A”</b><br><b>Last day to register for Course by Conference for SUMMER ‘A’.</b> Forms available at the Professional and International Programs (PIP) office located in the 2 <sup>nd</sup> floor of the Computer Center building.  | July 25   | <b>Deadline to Submit Petition to Withdraw from SUMMER 2014 Session “B” Classes</b> - Pick up and submit form at the Admissions and Records Office. (One form per class; each form requires individual instructor’s signature and approval.<br><b>Last Day of Classes - SUMMER 2014 Session “B”</b>                        |
| June 9             | <b>First Day of Classes, Late Registration &amp; Schedule Adjustment - SUMMER 2014 Session “B”</b><br><b>Last day to register for Course by Conference SUMMER ‘B’.</b> Forms available at the Professional and International Programs (PIP) office located in the 2 <sup>nd</sup> floor of the Computer Center building.  | July 26   | <b>Last Day of <u>Saturday</u> Classes - SUMMER 2014 Session “B”</b>   |
| June 11            | <b>Last Day for Voluntary Withdrawal from SUMMER 2014 Session “A” Classes with a Grade of “W”</b>   | July 30   | <b>Grades For SUMMER 2014 Session “B” Due by 5:00 P.M.</b>   |
| June 16            | <b>Deadline for Special Project and Credit by Exam for SUMMER ‘A’.</b> Forms available at the Professional and International Programs (PIP) office located in the 2 <sup>nd</sup> floor of the Computer Center building.  | August 8  | <b>Deadline To Submit Petition To Withdraw From SUMMER 2014 Session “C” Classes</b> - Pick up and submit form at the Admissions and Records Office by 5:00 p.m. (One form per class; each form requires individual instructors signature and approval<br><b>Last Day of Classes - SUMMER 2014 Session “C”.</b>             |
| June 23            | <b>Deadline for Special Project and Credit by Exam for SUMMER ‘B’.</b> Forms available at the Professional and International Programs (PIP) office located in the 2 <sup>nd</sup> floor of the Computer Center building.  | August 9  | <b>Last Day of <u>Saturday</u> Classes - SUMMER 2014 Session “C”.</b>  |
| June 25            | <b>Last Day for Voluntary Withdrawal for SUMMER 2014 Session “B” Classes with a Grade of “W”</b>  | August 13 | <b>Grades For SUMMER 2014 Session “C” Due by 5:00 P.M.</b>   |
| <b>FALL 2014</b>   |   |           |  |
| June 25            | <b>Last Day for Voluntary Withdrawal for SUMMER 2014 Session “B” Classes with a Grade of “W”</b>  | March 17  | <b>Deadline to Submit International (Foreign I-20) Application (except International students) For Admission for Fall 2014</b>   |



April 7 – May 5

**Fall 2014 Early Registration by Class Level** Total credits completed = Class Level. Register at the Admissions and Records Office, Web Advisor, or any Satellite location (8:00 a.m. - 5:00 p.m., Monday - Friday).

May 6-July 18

**Web Advisor ONLY** – Fall 2014 Early Registration.

June 3

**Deadline To Submit Resident/Non-Resident (except International Students) Application For Admissions For Fall 2014 Semester.**

July 10

**Fall 2014 English and Math Placement Test at the CLASS Lecture Hall.**

**Last Names: A - C**

English Placement Test - Check-in 8:00a.m.; Test Start: 8:30a.m.

Math Placement Test - Check-in 10:30a.m.; Test Start: 11:00a.m

**Last Names: D - L**

English Placement Test - Check-in 12:00p.m.; Test Start: 12:30a.m.

Math Placement Test - Check-in 2:30 a.m.; Test Start: 3:00p.m.

For more information, call the following departments: English Department at 735-2725 and for the Math Department at 735-2825.

*Bring picture ID and payment receipt from admissions application.*

July 11

**Fall 2014 English and Math Placement Test at the CLASS Lecture Hall.**

**Last Names: M - R**

English Placement Test - Check-in 8:00a.m.; Test Start: 8:30a.m.

Math Placement Test - Check-in 10:30a.m.; Test Start: 11:00a.m

**Last Names: S - Z**

English Placement Test - Check-in 12:00p.m.; Test Start: 12:30a.m.

Math Placement Test - Check-in 2:30 a.m.; Test Start: 3:00p.m.

For more information, call the following departments: English Department at 735-2725 and for the Math Department at 735-2825.

*Bring picture ID and payment receipt from admissions application.*

Notes:

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## GENERAL INFORMATION

### MISSION

***Ina, Diskubre, Setbe – To Enlighten, To Discover, To Serve***

- The University of Guam is a U.S. accredited, regional, Land Grant institution. It is dedicated to the search for and dissemination of knowledge, wisdom and truth.
- The University exists to service its learners and the communities of Guam, Micronesia, and the neighboring regions of the Pacific and Asia.
- The University prepares learners for life by providing the opportunity to acquire knowledge, skills, attitudes, and abilities through the core curriculum, degree programs, research and outreach.
- At the Pacific crosscurrents of the East and West, the University of Guam provides a unique opportunity to discover and acquire indigenous and global knowledge.

### UOG EXPECTED STUDENT LEARNING OUTCOMES DECEMBER 2008

Some of the expected fundamental knowledge, skills, and values that the University of Guam student will have demonstrated upon completion of *any* degree are:

- Mastery of critical thinking and problem solving
- Mastery of quantitative analysis
- Effective oral and written communication
- Understanding and appreciation of culturally diverse people, ideas and values in a democratic context
- Responsible use of knowledge, natural resources, and technology
- An appreciation of the arts and sciences
- An interest in personal development and lifelong learning



## HISTORY

The University of Guam is the major institution of higher education in the Western Pacific. It is a U.S. land-grant institution accredited by the Western Association of Schools and Colleges.

The University's history dates back to June 1952, when the island government established the Territorial College of Guam as a two-year teacher-training school under the United States Department of Education. The College, located on a high school campus in the village of Mongmong, had an initial enrollment of approximately 200 students; most of them experienced teachers, and a staff of 13.

The College moved to the present campus in central Mangilao in 1960 where a two-story classroom building and a library had been erected. The College's academic programs expanded to accommodate increasing enrollment and student needs.

In 1963, administrative control of the College was transferred from the Department of Education to a five-member governing Board of Regents. Accreditation was first granted in 1963 as a four-year degree-granting institution and again in 1965. A plan for the establishment of three undergraduate schools was implemented in the fall of 1967. The following year, on August 12, 1968—four months after its accreditation was extended to the maximum five-year period—the College was renamed the "University of Guam" by an Act of the Legislature.

Enrollment in the fall of 1968 reached 1,800. Staff and faculty totaled more than 130. Additions to the campus included a new library, the Fine Arts Building, and the Science Building. A Student Center, three dormitories, and the Health Science Building were completed in the summer of 1970.

On June 22, 1972, the University was designated a land-grant institution by an Act of the United States Congress.

Administrative autonomy was granted on October 4, 1976, with the enactment of Public Law 13-194, "The Higher Education Act of 1976," which became effective on November 3, 1976. The Act, with subsequent amendments, established the University as a non-membership, non-profit corporation under the control and operation of a nine-member Board of Regents appointed by the Governor, with the advice and consent of the Legislature. Public Law 17-55, enacted on June 11, 1984, provided further autonomy to the University and established staggered terms for members of the Board of Regents.

## LOCATION

The University campus is on a gently sloping hundred-acre site minutes from Hagatña and other government and commercial centers. It overlooks Pago Bay and commands a breathtaking view of the Pacific Ocean.

## ACCREDITATION

The University of Guam is accredited by the Accrediting Commission for Senior Colleges and Universities of the Western Association of Schools and Colleges, an institutional accrediting body recognized by the Council on Post-Secondary Accreditation and the United States Department of Education.

*College of Natural and Applied Sciences* - The Bachelor of Social Work Undergraduate Program is accredited by the Council on Social Work Education (CSWE).

*School of Business and Public Administration* - In April 2012, The School of Business and Public Administration received full re-accreditation from the International Assembly for Collegiate Business Education (IACBE) for its Bachelor of Business Administration Degree programs. As well as the Professional Master in Business Administration degree program. The School is also a member of the Guam Chamber of Commerce.

*School of Education* - Education programs are accredited by the National Council for the Accreditation of Teacher Education (NCATE).

*School of Nursing and Health Sciences* - The Nursing Program is approved by the Guam Board of Nurse Examiners, and received initial accreditation in 1996 through the National League for Nursing, now known as the Accreditation Commission for Education in Nursing. The most recent accreditation visit was in 2010.

## RELEASE OF INFORMATION

### FERPA - ANNUAL NOTICE TO STUDENTS: THE FAMILY EDUCATIONAL RIGHTS AND PRIVACY ACT OF 1974 (F.E.R.P.A)

Annually, University of Guam informs students of the Family Educational Rights and Privacy Act of 1974, as amended. This Act, with which the institution intends to comply fully, was designated to protect the privacy of education records. The Family Educational Rights and Privacy Act (FERPA) afford students certain rights with respect to their education records. **These rights include:**



1. The right to inspect and review the student's education records within 45 days of the day the University receives a request for access. Students should submit to the Office of the Registrar, the college dean, head of the academic department, or other appropriate official, written requests that identify the record(s) they wish to inspect. The University official will arrange for access and notify the student of the time and place where the records may be inspected. If the records are not maintained by the University official to whom the request was submitted, that official shall advise the student of the correct official to whom the request should be addressed.
2. The right to request the amendment of the student's education records that the student believes is inaccurate or misleading. Students may ask the University to amend a record that they believe is inaccurate or misleading. They should write to the University official responsible for the record, clearly identify the part of the record they want changed, and specify why it is inaccurate or misleading. If the University decides not to amend the record as requested by the student the University will notify the student of the decision and advise the student of his or her right to a hearing regarding the request for amendment. Additional information regarding the hearing procedures will be provided to the student when notified of the right to a hearing.
3. The right to consent to disclosures of personally identifiable information contained in the student's education records, except to the extent that FERPA authorizes disclosure without consent. One exception, which permits disclosure without consent, is disclosure to school officials with legitimate educational interests. A school official is a person employed by the University in an administrative, supervisory, academic, research, or support staff position (including law enforcement unit personnel and health staff); a person or company with whom the University has contracted (such as an attorney, auditor, or collection agent); a person serving on the Board of Regents; or a student serving on an official committee, such as a disciplinary or grievance committee, or assisting another school official in performing his or her tasks. A school official has a legitimate educational interest if the official needs to review an education record in order to fulfill his or her professional responsibility. Another exception where records may be released without student consent is to parents or legal guardians upon submission of evidence that the parents or legal guardians declared the student as a dependent on their most recent income tax form. For more information on other exceptions, contact the Registrar's Office.

The following is considered "Directory Information" at the University and will be made available to the general public unless the student notifies the Office of

the Registrar in person or in writing before the last day to add classes:

*Student's name, telephone number, e-mail address, mailing address, date and place of birth, major field of study, participation in officially recognized activities and sports, dates of enrollment, honors, awards, degrees completed and dates of degrees conferred, institutions attended prior to admission to UOG, gender, class level, and full-time/part-time status.*

4. The right to file a complaint with the U.S. Department of Education concerning alleged failures by the University of Guam to comply with the requirements of FERPA. The name and address of the Office that administers FERPA is:

Family Policy Compliance Office  
U.S. Department of Education  
400 Maryland Avenue SW  
Washington, DC 20202-5920.

## STUDENT RIGHT TO KNOW POLICY

The University of Guam complies with the Student Right to Know Act, which requires the University to disclose graduation or completion rates annually for the Student Body in general and athletes in particular.

All current students and prospective students may request from the Office of Admissions and Records general information on graduation rates. "Prospective Student" means any person who has contacted the University requesting information concerning admission.

Any potential student who is offered "athletically related student aid" will receive more detailed information concerning graduation or completion rates for the previous year and the average of the last four years. This category of aid encompasses any scholarship, grant, or other financial aid that requires the recipient to participate in intercollegiate athletics.

## ASSESSMENT OF STUDENT LEARNING OUTCOMES – STUDENT WORK AS ARTIFACTS

The University of Guam is committed to continuous assessment of its programs to measure the effectiveness of student learning. Copies of student's work may be included as aggregate assessment or artifact and will only be displayed outside the academic arena with student's permission. The artifacts may be displayed for viewing as evidence of student learning in printed, electronic, or web format. Submitting an artifact of student work will in no way affect a student's final grade on the assignment. This notice does not replace, supersede or relieve the University's faculty and researchers from complying with the University's Committee on Human Research Subjects



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(CHRS) policies and procedures that may require informed written consent from human research subjects. Students or faculty with any questions about assessment should contact the Office of Academic Assessment and Institutional Research at 735-2585 or www.uog.edu.

## TOBACCO POLICY

The University of Guam is a tobacco-free campus and has a total ban on sales, smoking and distribution and use of tobacco and tobacco-based products on campus. UOG is committed to promoting the health, wellness and social well-being of the University Community, the people of Guam and the Western Pacific.

## CAMPUS FACILITIES

**The Tan Lam Pek Kim English and Communication Building (EC) & the Humanities and Social Sciences (HSS) Buildings** provide space for classrooms, offices, and learning labs, as well as outdoor atriums for campus activities.

**The University Lecture Hall** is situated between the two buildings and seats 190.

**The Field House building** houses the Office of Admissions and Records, TRIO Program 2<sup>nd</sup> floor, the Financial Aid Office as well as athletic facilities.

**The Fine Arts Building** provides facilities for music, art, drama, and speech (e.g., rooms or studios for music rehearsal, graphic arts, ceramics, and crafts) and a theater.

**The Science Building** is a three-story structure built in 1972 containing laboratories for the physical and biological sciences, classrooms, a conference-lecture hall, and faculty offices.

**The Health Science Building** is a two-story building adjacent to the Science Building which provides classrooms, a conference room, learning laboratories for Nursing and Health Sciences, a computer lab, faculty offices, and the Sally Tsuda TakeCare Resource Center for Nursing Education, Research & Service. The office of the Assistant Vice President for Graduate Studies, Sponsored Programs & Research is located in one wing.

**Dorm I Building** provides offices for the Palau Liaison Officer and ROTC.

**Dorm II Building** provides office for the Equal Employment Opportunity/American with Disabilities Act Office on the ground floor.

**The Jesus S. and Eugenia A. Leon Guerrero School of Business and Public Administration Building** houses classrooms, offices, conference room, lecture hall, and lab facilities of the School of Business and Public Administration. It also houses the Small Business Development Center and the offices of the President, the Senior Vice President for Academic and Student Affairs,

and Vice President for Administration and Finance as well as Alumni Affairs.

**The School of Education Building** houses classrooms, offices, conference rooms, lab facilities, TRIO and the Guam Commission for Educator Certification (GCEC).

**The College of Natural and Applied Sciences Building** provides classroom, conference room, laboratory, faculty and administrative office spaces.

**The Student Center** houses a Food Court that seats 400, the Student Rotunda, KUOG (the student radio station), Student Government Association office, the office of the Dean of Enrollment Management and Student Service, the University Bookstore and Gift Shop, the Post Office, the Student Counseling office, and Student Health Services. Facilities may be reserved by contacting the Enrollment Management Office.

**I Jahame Hall and I Guma'ta Hall** dormitory buildings accommodate 162 students.



## UNIVERSITY CENTERS

### CENTER FOR EXCELLENCE IN DEVELOPMENTAL DISABILITIES EDUCATION, RESEARCH, AND SERVICE

The University of Guam CEDDERS is one of 67 federally funded university centers for excellence in developmental disabilities education, research and services found in every U.S. state and territory. Its mission is to create pathways that enhance, improve, and support the quality of life of individuals with developmental disabilities and their families.

CEDDERS has served as a training and technical assistance provider for Guam and the Western Pacific region for the past sixteen years. From its inception in 1993, CEDDERS has evolved into a dynamic organization that aims to provide assistance in the movement to improve the quality of life for individuals with developmental disabilities and their families. Past and on-going collaborative efforts include facilitating a wide



variety of interdisciplinary training activities at the pre-service, in-service, and community based-levels that enable consumers, families, and service providers to access opportunities to expand their knowledge, skills, and abilities.

Community service, technical assistance, training and research and dissemination activities are carried out through three major initiative areas: Consumer Leadership and Systems Change; Health, Wellness, and Prevention; and Inclusive Communities.

CEDDERS offices, which include the Guam System for Assistive Technology (GSAT) Training Center, are located on Dean Circle, with the central office at House 29. **Tel:** 735-2481 **Fax:** 734-5709 **TTY:** 734-6531



## CENTER FOR ISLAND SUSTAINABILITY

The Center for island Sustainability is the focal institute at the University of Guam for adapting and modeling sustainable technologies that meet the needs of island communities in the broader areas of the environment, economy, society, and education. As an entity, the CIS provides direct, local expertise on a diverse array of sustainability issues, including energy, solid waste, natural resources, and serves as an honest broker of these systems for Guam and Micronesia. To this extent, the CIS is committed to the conservation and management of our limited resources and the implementation of alternative energy sources in ways that not only consider the fiscal bottom line, but also the broader impacts on our physical and societal environments.

The Center for Island Sustainability is located at Dean's Circle in House 32. For more information contact Ms. Elvie Tyler, Sustainability Coordinator at (671) 734-0478 or email: [etyler@ugum.uog.edu](mailto:etyler@ugum.uog.edu)

## COMPUTER CENTER

The Computer Center is an all-purpose facility designed to meet the requirements of academic and administrative users of the University. The Center provides and supports a wide variety of academic, instructional, research-related, and administrative services. Consistent with the regional role of the University, the Center also provides technical support and services to the community.

Through a fiber optic data communication network, users have direct/interactive access to the central computer for program debugging, testing and other uses. In addition, the Center has an on-line/database management information system that is able to link with other local, regional and national systems.

A computer lab equipped with a network of mainframe, microcomputers, terminals, graphics devices, and multi-media systems, software, including statistical analysis packages and compilers, and Internet access is available for student and faculty use.

Additional computer labs are maintained on campus for the use of faculty and students. The School of Business and Public Administration (SBPA) lab provides access to the Computer Center/Technology Resources mainframe through a remote terminal as well as self-contained microcomputer facilities. The College of Natural and Applied Sciences (CNAS) computer science program lab is located in the Warehouse B. The Division of English and Applied Linguistics, College of Liberal Arts and Social Sciences (CLASS) maintains laboratories containing microcomputers with word-processing and instructional software. The Division of Humanities and Social Sciences (CLASS) maintain the Digital Language Laboratory for Modern Language instruction. The School of Education (SOE), CNAS, and the School of Nursing Health Sciences (SNHS) also have computer labs equipped with microcomputers for student and faculty use, with access to the applications on the Computer Center's mainframe network. Contact the respective Dean's office for further information.

## FIELD HOUSE

The Field House was originally developed to provide University students with a site to expand their knowledge and skills in areas of health and physical education. This concept eventually broadened to allow the Field House to be used alternately as a community center for sports and recreational use, as a concert and performance hall, and as a convention center.

In this respect, the facility offers the island of Guam a unique venue for events never before economically or practically feasible. Comprising an area of 70,500 square feet, the Field House can accommodate over 3,000 people for basketball games and approximately 5,000 for concerts, boxing, wrestling, or graduation ceremonies.

Other activities in the Field House include intramural sports, varsity sports competitions, and physical education and recreation classes.

Contact the Athletic/Field House Office at 735-2862 for more information. Also located at the Field House is Admission & Records Office at 735-2207 and Financial Aid Office at 735-2288/2284.



## ISLA CENTER FOR THE ARTS

ISLA Center for the Arts is an auxiliary center in the Fine Arts Program of the College of Liberal Arts and Social Sciences at the University of Guam. ISLA's mission is to provide specialized programs in the arts that are not otherwise available to the community of Guam due to its isolated geographic location. The focus of ISLA's programs is two-fold: to conserve and promote the indigenous arts of the Pacific area and to serve as a source for a broad understanding of Western thought and civilization. Programming at ISLA includes an annual series of exhibitions which emphasize the arts of the Pacific region as well as those of the Western world. All exhibitions are free of charge.

ISLA also houses a permanent collection of over 500 objects, including prints from European masters such as Rembrandt, Goya, Daumier, Dürer, and Pissarro, antique Japanese woodcuts, and pre-Columbian pottery pieces from Central America. Highlighted in the collection are many Micronesian objects which express the islanders' love for the sea and their islands. Objects in the permanent collection may be made available for research upon request.

ISLA serves students ranging from the elementary through University levels, local artists, the Guam public, and visitors to Guam. When resources permit, ISLA offers Summer Art Camp classes for children ages 5-9. ISLA's broad range of programming attracts approximately 10,000 patrons annually.

Funding for ISLA's programs comes from local agencies (GCAHA, GHC), membership fees, private donations, and through fundraisers such as the annual silent art auction. ISLA is located in Dean Circle Houses #14 and #15. Gallery hours are 10:00 a.m. to 5:00 p.m. Monday through Friday, and from 10:00 a.m. to 2:00 p.m. on Saturdays. To view previous exhibitions, see [www.uog.edu/isla](http://www.uog.edu/isla). For inquiries call: (671) 735-2965/6, (fax) 735-2967, or email: [islacenter@gmail.com](mailto:islacenter@gmail.com).

## SCHOOL OF BUSINESS AND PUBLIC ADMINISTRATION

### GUAM PROCUREMENT TECHNICAL ASSISTANCE CENTER (PTAC)

Guam PTAC provides free procurement technical assistance counseling to small businesses interested in pursuing business opportunities with the federal government (including Department of Defense) and the local government. Its mission is to maximize the number of capable companies participating in the federal (including Department of Defense) and local government marketplace by a) providing businesses with an

understanding of the requirements of government contracting and the marketing know-how they need to obtain and successfully perform federal, state, and local government contracts, and by supporting federal and local government agencies in reaching and working with the suppliers they need. Guam PTAC provides a wide range of assistance – most free of charge – to businesses through one-on-one counseling sessions, classes, seminars and matchmaking events.

**Main Guam PTAC Office:** Room 116,

Jesus & Eugenia Leon Guerrero Building, UOG Campus

**Satellite Guam PTAC:** Bank of Guam lobby located in the East-West Center, Upper Tumon

**Satellite Guam PTAC:** Guam Economic Development Authority (GEDA) Office, 5<sup>th</sup> Floor, ITC Building Contact Us:

Boris Herslet, Program Manager, (671) 735-2596,

[boris@guamptac.com](mailto:boris@guamptac.com), or [admin@guamptac.com](mailto:admin@guamptac.com)

or visit us at [www.guamptac.com](http://www.guamptac.com)

### GUAM VETERANS BUSINESS OUTREACH CENTER (VBOC)

#### MISSION

The mission of the Veterans Business Outreach Center (VBOC) is to make a positive difference in the lives of veterans through effective professional small business development, support, creation and retention of veteran-owned and controlled business activities on Guam and in Region IX.

#### VISION

The vision of the Veterans Business Outreach Center (VBOC) is to be the catalyst for veterans to achieve their highest potential as they grow to become confident, competent and successful small business owners.

#### PROGRAM

The program is a community-based project of VBOC centers located in the ten regions across the nation and funded in part by the U.S. Small Business Administration through a grant. The Guam VBOC is hosted by the University of Guam, School of Business and Public Administration; and in partnership with and co-located in the Guam Economic Development Authority (GEDA) office.

This U.S. SBA program specifically targets the full range of veterans who are:

- *Emerging entrepreneurs;*
- *In the startup or early phase operation of a small business;*
- *Successful small business owners who want to better manage or grow their business; and*
- *Successful veteran small business owners who want to support other veteran entrepreneurs through mentoring, networking and other assistance.*

Contact Us: Francisco Crisostomo-Kaaihue, Director, (671) 475-4900 Website: [www.guamvboc.com](http://www.guamvboc.com)



**PACIFIC ISLANDS SMALL BUSINESS  
DEVELOPMENT CENTER NETWORK**

The Pacific Islands Small Business Development Center Network (PISBDCN) is a part of the School of Business and Public Administration. It was established to coordinate resources from the University of Guam, the local government, the federal government, and the private sector to provide high quality business and economic development assistance to small businesses and prospective small businesses and to nurture the formation of new businesses.

PISBDCN contracts with local agencies to establish service centers that provide high quality management and technical assistance to small business owners and potential small business owners. Assistance comes in the form of counseling programs, training programs, business and economic information programs, minority programs, village outreach programs, national delivery system programs, a capital formation advisory service program, a business assistance center program, an international trade program, a technical service program, and a business law information service program.

Existing Service Centers under the PISBDCN include the Guam Small Business Development Center (SBDC) and SBDCS in Chuuk, Kosrae, Palau, the Republic of Marshall Islands, Saipan and Yap. Counselors within these Service Centers provide direct assistance and coordinate the client’s utilization of all of the center’s resources. The Counseling Program offers a comprehensive counseling service which incorporates the expertise available within its own staff, augmented by faculty and students from affiliated institutions of higher learning, with Counselors and independent paid professionals. The counseling program provides comprehensive assistance in one or more of the following service areas: feasibility studies, market research, surveys, business plan development, loan packaging, operational assistance, procurement assistance, manufacturing, management compliance (EPA, OSHA, Rev &Tax) and problem solving.

The Training program sponsors a comprehensive program of open enrollment workshops and seminars that are designed to enhance the skills and knowledge of existing and prospective small business owners/managers.

PISBDCN and the Guam SBDC are located in the Jesus S. and Eugenia A. Leon Guerrero School of Business and Public Administration Building.

**UOG PACIFIC CENTER FOR  
ECONOMICS INITIATIVES**

The UOG Pacific Center for Economic Initiatives exists to help build local entrepreneurial capacity and local

information resource capacity, as part of its comprehensive approach toward entrepreneurship and economic development. It intends to help build local entrepreneurship capacity and local information resource capacity, as part of its comprehensive approach towards entrepreneurship and economic development on Guam.

UOG PCEI is aligned with the University’s Land-grant outreach mission to support economic development on Guam and the neighboring region. In partnership with the Pacific Islands Small Business Development Center Network (PISBDCN), and housed within UOG’s School of Business and Public Administration, UOG PCEI serves as a reservoir for resource experts, technical assistance for small business planning initiatives, local relevant market and industry information for industry development, and readily accessible information through its resource database.

For more information, contact Dr. Anita Borja Enriquez, at [abe@ugum.uog.edu](mailto:abe@ugum.uog.edu).

**PROFESSIONAL AND  
INTERNATIONAL PROGRAMS**

Professional and International Programs (PIP) at the University of Guam responds to the educational and training needs of its dynamic and diverse constituencies. Through an array of comprehensive programs and services PIP facilitates learning and workforce development in an environment of open access through life-long educational opportunities.

PIP helps to plan and provide many types of credit and non-credit programs to meet special interests within the community. Continuing Education programs are offered to enable anyone to continue your learning experiences. This may include credit and non-credit work offered during the day and evening hours. Various community education programs and seminars focus on social issues. Business, industry and professional organizations provide special courses at UOG for their employees. These programs can be taught on campus or at the workplace.

**Monthly Training Schedule** Many credit and non-credit programs are offered each month to serve special community needs. Courses and workshops are often a result of requests by individuals or groups within the community. The topics vary from job skills enhancement to personal enrichment interests.

**Online Non-Credit Courses** self-paced courses are available anytime, anywhere. All you need is a web-enabled computer and a desire to learn skills that will prepare you for a new career or update current skill sets. And even though you don’t have to attend class, you won’t be on your own. A team of available online professionals, anytime scheduling, and educational textbooks combine to give you a relevant, interactive learning experience.



**AMA University Programs** PIP has partnered with the American Management Association (AMA) to offer over 75 courses and 5 Certificate Programs for:

- Continuing Education
- Professional and Workforce Development
- Business and Industry Training

PIP offers AMA curriculum delivered by experienced faculty that meets the needs of professionals who want the latest management thinking and best practices.

**English Adventure Program (EAP)** is a short-term English language program designed for travel agents, visiting schools, and institutions that want to learn English while enjoying the wonders of Guam's tropical environment. The program offers a variety of packages catered to meet the needs of each individual group. Custom packages focusing on beginning, intermediate, and advanced English curriculum offered. Optional tours, sports, and recreational activities provided.



## **TELECOMMUNICATIONS AND DISTANCE EDUCATION OPERATION (TADEO)**

The Telecommunication and Distance Education Operation (TADEO) is the Micronesian hub for the PEACESAT (Pan-Pacific Education and Communication Experiments by Satellite) Network, the Micronesian high frequency radio (HF/SSB) network and control point for outer-island search and rescue and disaster communications.

TADEO offers worldwide videoconference services for the campus and the Guam community.

TADEO provides voice, data and fax communication to the Pacific Islands as a public service. Daily news and weather reports are delivered each morning to the region and distance education courses and workshops are offered through HF-SSB and satellite links.

## **ENGLISH LANGUAGE INSTITUTE**

The English Language Institute welcomes all individuals who have an intense desire to become proficient in the English language. No previous knowledge of English is necessary. The ELI is committed to quality education and the development of language skills and cultural understanding among its students.

The ELI also accepts and affirms its students' different ethnic, academic, cultural, and social values. We encourage students to recognize and develop additional values, skills, and strategies that will help them to work effectively and successfully in English.

The English Language Institute has offered classes in English as a Second Language since 1979. The Institute offers two (2) programs:

**14-Week Intensive English Language Program** This program prepares students 18 years or older for enrollment into the American university system. Students are immersed into campus life and attend daily classes to improve writing skills, conversation and listening skills, reading comprehension, and study skills. This program helps students to gain confidence using English.

Staff and Instructors of the English Language Institute possess extensive teaching experience and training in Teaching English as a Second Language (ESL). In addition, both teachers and staff have international teaching and work experience.

## **CENTER FOR DISTANCE EDUCATION**

In support of the President's strategic directive to improve the university's Distance Education programs, the Center for Distance Education (CDE) was created as a sub-unit under TADEO. The CDE mission is to coordinate and promote DE programs for local, military, and regional adult learners. These programs may lead to either a certificate in a specialized area or a college degree.

The CDE, in conjunction with TADEO staff, manage, monitor, and administer the Learning Management Software (LMS). The CDE also provides training for faculty in the use of LMS and in the design and implementation of DE course material. Lastly, the CDE monitors and maintains an electronic helpdesk for students

## **UOG MOODLE'S VIRTUAL CLASSROOMS**

**I registered for an online class. Now what?**

If you registered for an online class, you may be wondering what is supposed to happen next. Here are some answers to some questions you might have...

**When does the class start?**



Online classes at UOG Moodle typically start at the same time as the on-campus classes. If the first day of on-campus classes starts on a Wednesday, then online classes will start on the same day. If you do not see your class when the semester starts, feel free to contact the UOG Moodle Help team (see contact information below).

**How do I get into the class in UOG Moodle?**

Classes in UOG Moodle typically require that you enter an enrollment key to access the class. If you have not received your enrollment key by email, you should contact the instructor immediately to ask for the enrollment key. [Click here to learn how to get the enrollment key.](#)

**Can I be automatically added into the class in UOG Moodle?**

The UOG Moodle Help team is working to make this process easier. At the start of the semester, you can check to see if you have already been added into the online classroom. If you are already in, you do not need an enrollment key. To see the classes that you are in, log in to UOG Moodle... then look in the "Navigation" block and click on "My courses". You will see any courses that you are already in. If you do not see your course, then you may need to contact the instructor to ask for an enrollment key.

UOG Moodle Help contact information:

- Email: moodlehelp@ug Guam.uog.edu
- Phone: (671) 735-2620

**RESEARCH INSTITUTES**

**CANCER RESEARCH CENTER –  
GUAM (CRCG)**

The Cancer Research Center of Guam was established in September of 2003 as a research partnership between the University of Guam and the Cancer Research Center of Hawaii. The partnership is one of a handful of minority institute/cancer research center partnerships funded by the National Institute of Health, National Cancer Institute. The partnership objectives are:

- To increase cancer research capabilities in a variety of different disciplines at the University of Guam;
- To increase the number of minority scientists of Pacific Islanders ancestry engaged in cancer research or other related activities by providing pertinent undergraduate, graduate, post-graduate training opportunities;
- To provide career development for cancer investigators at the University of Guam in order to develop and sustain independently funded cancer research program at the University of Guam;

- To further strengthen the focus of research, training and outreach activities at the Cancer Research Center of Hawaii on the disproportionate incidence, mortality, and morbidity in minority population by including the Territory of Guam into the region served by CRCH; and
- To ultimately reduce the impact of cancer on the population in the Territory of Guam (and possibly other U.S. affiliated island in the Pacific Region) by enhancing the awareness of cancer prevention opportunities and improving the quality of care for cancer patients.

The Cancer Research Center of Guam is located at the University of Guam, Dean Circle House #7. The CRCG website is [www.uog.edu/cancer](http://www.uog.edu/cancer) (671) 735-2988 or 2989 or Fax: (671) 734-3636 for more information

**RICHARD F. TAITANO  
MICRONESIAN AREA RESEARCH  
CENTER**

The mission of the Richard F. Taitano Micronesian Area Research Center (RFT-MARC) is resource collection development, research, and service. Since its establishment in 1967, RFT-MARC has developed a major collection of Guam and Micronesia materials, located in the RFT-MARC/ Information Technology Resource Center/Computer Center Building. The Reference Collection includes books, manuscripts, periodicals and serials, government documents, personal papers and archives, reprints, and maps. The Spanish Documents Collection includes original documents as well as full-size and microfilm reproductions, reflecting the lengthy presence of Spain in Micronesia. The Manuscripts Collection has extensive documentation reflecting the American presence in Guam. RFT-MARC also acquires, for study and display, artifacts related to the cultural and historical heritage of the area. These are non-circulating reference collections open to the public.

RFT-MARC faculty produce transcriptions, translations, and analytic bibliographic listings of important Spanish, German, French, Japanese, and other foreign language documents. In addition to archival and historical research, RFT-MARC faculty have conducted research in the fields of anthropology, archaeology, history, education, political science, economics, and sociology. The service role of RFT-MARC is performed through its program of publishing, teaching, presenting public lectures, and coordinating campus events related to Guam and the Pacific. RFT-MARC faculty and staff also provide community service through consultation and cooperation with many government agencies and community organizations.



Financial support for the RFT-MARC program of collection development and research has come primarily from the Guam Legislature as part of UOG's budget. In addition, grants and contracts have been awarded by the U.S. Department of the Interior, the U. S. Navy, the U. S. Army Corps of Engineers, the National Geographic Society, the Asia Foundation, the Wenner-Gren Foundation, the South Pacific Commission, and the Guam Preservation Trust. Special acquisitions projects and assignments have been carried out by RFT-MARC researchers in the archives and libraries of Europe, Mexico, Philippines, Japan, Australia, New Zealand, and the Pacific Islands, as well as in the mainland United States and Hawaii. MARC faculty and research associates are currently conducting archaeological and ethnographic research projects in Guam, the Marianas, the Philippines, Palau, and elsewhere in the region. Visit RFT-MARC's web site: [www.uog.edu/marc](http://www.uog.edu/marc) for additional information.

## MARINE LABORATORY

The University's Marine Laboratory is a research, teaching and service facility located on the shore of Pago Bay below the main campus. The staff consists of full-time research faculty assisted by three marine technicians, two Administrative Assistants, and a laboratory manager.

The research focus of the Marine Laboratory is tropical coral reef studies. Basic research is conducted by individual staff members in their specialty areas: ichthyology and fisheries biology, evolutionary ecology, molecular genetics, photo biology, invertebrate zoology, coral physiology and larval ecology, chemical ecology of reef organisms and natural products chemistry, community ecology, and species interaction. Applied research is conducted in surveys; studies relating to coastal zone management on research on coral bleaching introduced species, and pollution research. Marine Laboratory students have donated their time and given lectures and tours for many diverse interest groups and thousands of school children.

Research projects are concentrated on Guam but often reach out into the Commonwealth of the Northern Mariana Islands, the Republic of Palau, the Federated States of Micronesia, the Republic of the Marshall Islands, and other regions of the Indo-Pacific.

The Laboratory consists of three buildings. Research space, office space, and a computer lab are located in the two-story research wing. This wing features a flowing seawater system with a direct input of ocean water. The southern portion of the new Water and Environmental Research Institute (WERI) Building provides space for four additional offices, an expanded reference collection facility which also includes a mollusk collection room, and a large biochemical laboratory. The technical wing provides workshop facilities and maintenance and storage

space for routine research instrumentation, boats and diving gear. A broad range of laboratory and field equipment is available.

## MICRONESIAN LANGUAGE INSTITUTE (MLI)

The Micronesian Language Institute (MLI) was established at UOG in May, 1990. The purpose of MLI is to conduct research, service, and teaching activities that enlarge understanding of the indigenous languages of Micronesia, and to promote appreciation, documentation, instruction, and materials development of Micronesian language resources.

MLI's work is guided by eight-person Regional Advisory Council, consisting of members representing the Territory of Guam, the Republic of the Marshall Islands, the Federated States of Micronesia (FSM - Kosrae, Pohnpei, Chuuk and Yap), the Republic of Palau, and the Commonwealth of the Northern Mariana Islands (CNMI). Each Council member is an indigenous Micronesian language expert. A diverse selection of language research and service activities is under way, having been developed either in response to specific needs identified by governments and agencies within the Micronesian region.

In its first eight years of work, MLI has been engaged in the development of oral language proficiency assessment tools in Palauan, Chuukese, Pohnpeian and Tagalog, and in basic research on the sequence of child language development in these languages. A major longitudinal study of the Palauan and English bilingual development of Palauan youth has been completed. Several evaluation studies of language instruction programs have been carried out. MLI has coordinated the development and annual use of the FSM's national tests of language arts and mathematics, and has provided technical assistance and training to Peace Corps Micronesia.

MLI has engaged in a major needs assessment study of the impact of migration from FSM and the Marshall Islands to Guam, involving interviews in most of the indigenous languages of the region. In another large-scale program, Paradisu Family Literacy, MLI staff provided literacy training to the Chamorro, Chuukese, and Palauan communities of Guam. To provide baseline data on the impact of Palau's Compact of Free Association on Guam, MLI has recently completed a census survey of most Palauan households on Guam.

MLI's programs are financially supported by a combination of funding sources: the Guam Legislature, and grants and contracts awarded by such agencies as the Guam Department of Education, the U. S. Department of Education, Northern Marianas College, the Palau Bureau of Education, the U. S. Department of the Interior, Guam Bureau of Planning, and the National Department of



Education of the FSM. The MLI is administered through the Micronesian Area Research Center.

## **WATER AND ENVIRONMENTAL RESEARCH INSTITUTE OF THE WESTERN PACIFIC (WERI)**

The Water and Environmental Research Institute of the Western Pacific was established as a research unit of the University of Guam in May 1975. It is one of 54 similar institute established by the U.S. Congressional Delegation at each Land Grant university in the United States and in several territories. The role of the Institute is to provide (WERI) water and environmental resources information by conducting basic and applied research in an interdisciplinary environment, by teaching, and by disseminating research results. Currently, WERI is ranked among the top six institutes nationwide, based on its professional performance.

Consistent with regional role of the University, the Institute devotes part of its program effort to Western Pacific islands other than Guam. It is the only research center of its type in this geographic area and endeavors to respond to the unique conditions that exist here. The Institute works closely with an Advisory Council composed of environmental and water resources professionals from the Western Pacific region.

Water resources research is inherently multidisciplinary and includes all the water and environmental related areas of engineering as well as other areas such as biology, chemistry, economics, law, geology, anthropology, climatology, and meteorology. In order to undertake research of this nature, the Institute draws from the varied expertise of its research faculty members, other University of Guam faculty, research affiliates from other universities, and local professionals.

The Institute is supported through funding from various sources such as: local University of Guam appropriations, WERI - targeted funds from the Guam Legislature and annual water research programs for Guam, CNMI and FSM. Additional funds are available from contracts and grants from federal, local, and private agencies in support of specific projects.

The Institute is housed in the University of Guam Water Sciences Laboratory located next to Pago Bay on the lower campus of the University. This facility contains office spaces for faculty, a hydraulic/geology laboratory, a water quality laboratory, a combined computer-aided design laboratory, a GIS facility, a water resources library and conference room, and support staff areas.

## **WESTERN PACIFIC TROPICAL RESEARCH CENTER**

The Western Pacific Tropical Research Center of the College of Natural and Applied Sciences includes three field research facilities located in areas representing the different soil types of Guam: Yigo, Inarajan, and Ija.

The Western Pacific Tropical Research Center concentrates on applied research that directly impacts agriculture in Guam, as well as in other tropical areas. Current areas of specialization are soils, horticulture, entomology, plant pathology, animal nutrition, turf grass, human nutrition, agricultural engineering, agricultural economics, marketing, aquaculture and forestry. Research laboratories are located at the University main campus and in Yigo.

Financial support for the Western Pacific Tropical Research Center comes primarily from the Cooperative State Research Education and Extension Service (CSREES) of the USDA and the Government of Guam. Additional funding is also received from the Tropical and Subtropical Agricultural Program of the Special Grants Section of the CSREES, the Agricultural Development in the American Pacific (ADAP) programs of the USDA, and other funding agencies.

The Western Pacific Tropical Research Center has collaborative research programs with several land-grant Universities in the western United States, the College of Micronesia, the College of the Northern Marianas, the American Samoa Community College, and several international research centers. Most of the research projects are designed to have direct application to Guam, Micronesia, and other areas of the Western Pacific, and the tropics in general.

In addition to concentrating on research, the Western Pacific Tropical Research Center faculty teach undergraduate courses in agriculture, graduate courses in environmental science, conduct workshops for teachers and collaborate with the University of Guam Cooperative Extension Service.

## **COOPERATIVE EXTENSION SERVICE**

The University of Guam Cooperative Extension Service (CES) enables the multicultural community of Guam to make informed decisions through non-formal education programs based on research and identified local needs. The units of CES are:

**Agriculture & Natural Resources (ANR)** The ANR unit is the center of agricultural information and technical expertise in the western Pacific Region. The primary mission of the ANR unit is to advance research based knowledge through extension and higher education in the food and agricultural sciences. This includes the environmental and human sciences to benefit people and communities in Guam and the Pacific Islands. ANR serves



as a key programming point for related issues on livestock, crop and aquaculture production.

Programming includes the following areas: Sustainable Agriculture and Development of Small farms, Manure and Nutrient Management, Integrated Pest Management, Invasive Species, Agriculture/Aquaculture Production Management, and Animal Health.

**Communities, Youth, Families, Food and Nutrition (CYFFN)** – The CYFFN Unit delivers outreach education programs designed to empower the residents of the island on a myriad of topics and issues. With respect to the island community, the unit works to strengthen community-based programming through capacity building of local citizens and the various community partners and collaborators. The unit employs a cooperative process in which people of the community and government leaders arrive at group decisions and together design programs to strengthen the social and economic well-being of our island community.

The unit also carries out several outreach educational programs aimed at fostering and building strong families, youth and communities that are important to a stronger and resilient island community. The unit promotes developing both family and youth potential through learning experiences using research based curriculum. Base programs are designed to foster healthy learning activities by addressing topics such as self-learning experiences and management, global understanding, family communication, personal development, understanding diversity, and career planning. Equally important to the role of CYFFN is how families make dietary choices that contribute to healthy lifestyles. This includes educating the citizenry about the causes and prevention of food borne illnesses and the threats to our local food supply in times of emergency. CYFFN Extension professionals help blend these program areas into a seamless localized content covering diet, health, food-safety and helping address value-added opportunities for locally grown fruits and vegetables.

An added dimension to the capacity of CYFFN’s programming resources and capabilities is its constant linkage with other Land Grant Extension professionals throughout the nation that are engaged in community, youth, families, food and nutrition work.

## AUXILIARY SERVICES

### BOOKSTORE AND GIFT SHOP

The University of Guam Triton Bookstore and Gift Shop is conveniently located in the Student Center. The Bookstore carries textbooks, instructional materials, trade books, dictionaries, reference books, and school and office supplies. A variety of gift items and sundries are

available, as well as quality clothing bearing the UOG logo.

### DINING SERVICES

Meals are available at reasonable prices in the campus food court located at the Student Center. The food court has a seating capacity of 400 and is air-conditioned. It is open Monday through Friday.

## ENROLLMENT MANAGEMENT & STUDENT SERVICES (EMSS)

The Enrollment Management & Student Services Division is committed to student success. Significant human growth and student development take place not only in the traditional classroom setting, but also in the residence halls, student center, and through involvement in campus co-curricular activities as well. Under the direction of the Dean of Enrollment Management & Student Services are Student Life, Residence Halls, Financial Aid, Student Counseling, Student Health Services, TRIO Programs, and Admissions & Records.

For inquiries regarding the programs and activities facilitated by the division of Enrollment Management & Student Services, contact:

Dean, Enrollment Management and Student Services  
UOG Station, Mangilao, GU 96923  
Tel: (671) 735-2290-1 Fax: (671) 734-2442

### STUDENT LIFE OFFICE

The University offers diverse activities for students. The University sponsors some activities, while others are sponsored by various clubs and organizations. Students have the opportunity to participate in over thirty organizations.

The Student Life Office coordinates student organization functions and programs such as New Student Orientation This office also provides assistance for academic and disciplinary problems and complaints.

New student orientation begins one week prior to the Fall, Spring and Summer sessions. The program is designed to familiarize new students with the University’s faculty, programs, student support services, policies and procedures. The program also includes academic advisement and peer counseling.

Students interested in campus activities are encouraged to call or visit the Student Life Office, located in the Student Center.



## STUDENT ORGANIZATIONS

Students with a common interest or purpose may petition the University for recognition as a campus organization. Recognized organizations may request SGA, financial aid and assistance for their activities. However, neither the University nor the SGA is obligated to provide facilities, supplies, or financial assistance to any campus organization. Necessary forms to petition for University recognition may be obtained from the Student Life Office.

## STUDENT GOVERNMENT ASSOCIATION

The Student Government Association (SGA) of the University of Guam is the official name adopted by the organization representing the students of UOG. All students who have paid the student activity fee are regular members of the association. The SGA is governed by student officers and senators within the framework of its constitution and by-laws. Officers and Senators are elected annually by the student body and are responsible for administering the affairs of the association. The association is responsible for most student body activities and shares with the administration a concern for the morale, welfare, and development of all students. Through shared representation on academic, community and student grievance committees the rights and responsibilities of students are protected by the association.

## STUDENT PUBLICATION

The student newspaper, *The Triton's Call* provides opportunities for students to acquire experience in various phases of journalism, such as writing, editing, photography, layout, production, and advertising under the guidance of faculty advisors.

## STUDENT HANDBOOK

The Student Handbook provides most of the information needed by students to understand their roles within the University. Students should carefully read this handbook, abide by its rules and regulations, and refer to it whenever they have questions or problems concerning University policies or procedures. Contact the Enrollment Management and Student Services Office for a copy of the handbook or visit the UOG web site for the electronic copy at [www.uog.edu](http://www.uog.edu).

## STUDENT COUNSELING SERVICES

Counselors assist students with a wide range of personal concerns and problems. The goal of counseling is to help the students develop the personal awareness and

skills necessary to overcome problems, to grow and develop in a way that will allow them to take advantage of their educational opportunities at UOG. Professional services are offered to help students with personal difficulties or learning problems that interfere with their ability to gain maximum benefit from the educational experience.

Individual counseling is offered to assist students to resolve issues that cause emotional distress and interfere with personal goals and academic attainment. Counseling is provided to help students bring about positive changes in their lives. Group counseling is provided to afford the opportunity to work together in learning to deal more effectively with personal concerns.

Recognizing the importance of prevention and educational services, counselors seek to provide these to students, faculty and staff. Counseling Services seeks to maintain a drug-free learning community through substance abuse counseling prevention, and education.

**Academic Advising:** Counseling Services provides academic advising to all students whose major is undeclared. Any student who needs help with academic advising is encouraged to seek assistance from the Counselors.

**Testing:** The University of Guam serves as a Testing Center for the Western Pacific and provides testing services to students, faculty, and residents of the Western Pacific. Testing can provide information to help you improve academic performance, select a major and a career, enter school or program, be certified in an area of expertise, or take a required national standardized test.

**Career Counseling:** Personal conferences may be arranged to review student goals, plans, qualifications, career alternatives, the job market employer information, educational requirements and other concerns

**Courses offered to Students:** *ID 180 College Success Seminar*, is a two credit hour course that is **required** of all entering students with less than thirty (30) credit hours of course work. This course is designed to help students get the most out of their academic experience by offering ongoing orientation to University life, academic self-help skills, and career planning.

**National Student Exchange (NSE):** Provides opportunities for you to study for a semester or a year at another NSE college or university in the United States, Canada, Guam, Puerto Rico, and the U.S. Virgin Islands.

Please contact: Joan B. Swaddell, Instructor/Counselor of Student Counseling Services  
Tel.: 735-2271; Fax: 734-2442  
[joanswaddell@gmail.com](mailto:joanswaddell@gmail.com)



## FINANCIAL AID OFFICE

The Financial Aid Office (FAO) provides a wide range of financial services designed to help students meet the cost of attending UOG. Financial aid is awarded in the form of grants, scholarships, loans, employment, and tuition waivers that help pay the costs of tuition, fees, books, supplies, room and board, transportation, and other personal expenses. UOG coordinates and administers a variety of federal, state, private, and institutional programs (each with different regulations, requirements, procedures, and forms). Information on the various types of financial assistance available, applications and eligibility requirements are available at the Financial Aid Office located at the UOG Fieldhouse.

The Title IV Federal Programs are governed by Federal Regulations and are subject to modification by the U.S. Department of Education and Congress therefor, information in this catalog is subject to change without notice. All federally funded programs require the completion of the FAFSA (**F**ree **A**pplication for **F**ederal **S**tudent **A**id) on an annual basis, therefore students who wish to receive federal financial aid must complete a FAFSA for the academic year in which benefits are expected.

FAFSAs are available beginning on January 1<sup>st</sup> of each year (for classes beginning in the fall semester of that same year.). ***The priority application deadline for UOG financial aid is April 30<sup>th</sup> of each year.*** The financial aid process may be lengthy; it is governed by federal, state, and institutional regulations. The process from application to disbursement may take up to 8 weeks from either the first day of classes or from the application date. The financial aid process can be further delayed if students do not return required documentation in a timely manner (2 to 4 business days).

Students are encouraged to complete the FAFSA online. Completing the application online reduces processing time and errors. Students can complete the online FAFSA at the following address: <http://www.fafsa.ed.gov>. To complete the FAFSA online, students will need a Personal Identification Number (PIN) from the Department of Education. Students can request a PIN online at [www.pin.ed.gov](http://www.pin.ed.gov). The PIN will be sent to the student via e-mail and/or regular mail. It usually takes less than 48 hours to receive a PIN by e-mail. For dependent students completing the online FAFSA, at least one parent must also have a PIN.

Upon receipt of the Student Aid Report (SAR), student must complete and submit to the Financial Aid Office the Financial Aid Information Sheet. (See the FAO website for more information at [www.uog.edu/financialaid](http://www.uog.edu/financialaid))

Students must meet the following minimum criteria established by the federal government to be considered for the federal programs offered at UOG:

- Be a United States citizen or eligible non-citizen;
- Demonstrate need;
- Be making satisfactory academic progress;
- Be enrolled in a degree-granting program;
- Not be in default on any Title IV loans;
- Not owe repayment of any Title IV funds;
- Be registered with Selective Service (if applicable)

**NOTE:** Part-time students may receive federal or state-funded financial aid; and non-matriculated students may be eligible for some types of federally funded loans. Some aid programs, as noted, are restricted to undergraduate students.

Federal aid is disbursed throughout each semester based on the date of file completion.

The Government of Guam Student Financial Assistance Programs (SFAP) are governed by local legislation and appropriated each fiscal year. The appropriation may not necessarily be sufficient to fund new eligible applicants. **The selection methodology is subject to change without notice.** Therefore, information in this catalog is subject to change without notice, as a result of legislation or Board of Regent action.

SFAP provides financial assistance for undergraduate and graduate studies at the University of Guam or at a U.S. accredited off-island institution (only for major not offered or equivalent to UOG). SFAP consists of the following programs: Merit Scholarship Program, John F. Quan Memorial Scholarship, Nursing Training Program, Student Loan, and the Professional/Technical Award programs. The applications are available yearly (January 2<sup>nd</sup> of each year) with a standard deadline of April 30<sup>th</sup> (of each year for the up-coming academic year). In addition, other locally funded programs are: the Merit Award; Pedro "Doc" Sanchez Scholarship for Government of Guam Career employees; and the Dr. Antonio C. Yamashita Educator Corps (YEC) program.

Other scholarship and assistance opportunities exist. Each program will have its own application process and qualifications. Private scholarships are funded by organizations within the Guam community, while the Federated States of Micronesia government provides some aid for the residents of their perspective islands.

**FEDERAL SATISFACTORY ACADEMIC  
PROGRESS POLICY**

*Effective: Fall 2008*

Federal regulations require the Financial Aid Office to monitor the progress of all students toward the completion of degree. This monitoring process is called the **Satisfactory Academic Progress (SAP)**. The Department of Education requires that a school monitor SAP both quantitatively and qualitatively. Satisfactory academic process is essential to remain eligible to receive funds from any Federal Title IV, state, or university aid programs.

**These rules must apply to all students whether or not they were recipients of any financial aid at the University of Guam or any other college.**

Federal regulations state that the rules must include the following elements:

- A maximum time frame for students to complete his or her program (i.e. based on credits attempted);
- A minimum number of units to be completed;
- A minimum grade point average.

At the end of each semester, the Financial Aid Office will monitor each undergraduate and graduate student's academic progress to determine financial aid eligibility.

**To maintain Satisfactory Academic Progress (SAP) the following minimum requirements must be met:**

**❖ UNDERGRADUATE**

- Complete at least a minimum of 75% of credit hours attempted with a passing grade (see breakdown on page 2 of this policy for required completion of credits);
- Have attempted no more than 186 credit hours for Bachelor's degree program (based on a 150% of 124 credit hour requirement degree program);
- Must maintain a 2.00 cumulative Grade Point Average (GPA).

**❖ GRADUATE**

- Complete at least a minimum of 75% of credit hours attempted with a passing grade (see breakdown on page 2 of this policy for required completion of credits);
- Have attempted no more than 54 credit hours for Master's degree program (based on a 150% of 36 credit hour requirement degree program);
- Must maintain a 3.00 cumulative Grade Point Average (GPA).

**BREAKDOWN OF REQUIRED NUMBER OF CREDITS****Undergraduate:**

| CREDIT HOUR ATTEMPTED* | ENROLLMENT STATUS | MIN. CREDITS TO COMPLETE EACH SEMESTER |
|------------------------|-------------------|--|
| 21                     | Full-time         | 16 Credits                             |
| 20                     | Full-time         | 15 Credits                             |
| 18 – 19                | Full-time         | 14 Credits                             |
| 17                     | Full-time         | 13 Credits                             |
| 16                     | Full-time         | 12 Credits                             |
| 14 – 15                | Full-time         | 11 Credits                             |
| 13                     | Full-time         | 10 Credits                             |
| 12                     | Full-time         | 9 Credits                              |
| 10 – 11                | ¾ - time          | 8 Credits                              |
| 9                      | ¾ - time          | 7 Credits                              |
| 6 – 8                  | ½ - time          | 6 Credits                              |
| Below 6 credits        | Less than ½ time  | MUST PASS <b><u>ALL</u></b> Credits    |

*\*Credit Hours Attempted – number of credit hours enrolled after the ADD/DROP period of each semester. Fall and Spring semesters ADD/DROP period ends the Tuesday AFTER the first day of classes; Summer ADD/DROP period end on the first day of each session.*

**Graduates:**

| Credit Hour Attempted* | Enrollment Status | Minimum Credits to complete each semester |
|------------------------|-------------------|---|
| 12                     | Full-time         | 9 Credits                                 |
| 9                      | Full-time         | 7 Credits                                 |
| 6 – 8                  | ½ - time          | 6 Credits                                 |
| Below 6 credits        | Less than ½ time  | MUST PASS <b><u>ALL</u></b> Credits       |

*\*Credit Hours Attempted – number of credit hours enrolled after the ADD/DROP period of each semester. Fall and Spring semesters ADD/DROP period ends the Tuesday AFTER the first day of classes; Summer ADD/DROP period end on the first day of each session.*

»To determine the amount of credits required (75% completed with a passing grade), multiply the number of credits you are enrolled in after the ADD/DROP period by .75.

***For example:***

Enrolled for 10 credits, you multiply 10 by .75 (10 x .75 = 7.5) round up will be 8 credits required to complete with a passing grade.

Enrolled for 11 credits, you multiply 11 by .75 (11 x .75 = 8.25) round down will be 8 credits required to complete with a passing grade.

**Probation**

**Undergraduate students** who fail to complete a minimum of 75% of credit hours attempted from the previous semester and/or maintain a 2.00 cumulative GPA will be placed on SAP probation for the following semester enrolled. Students will continue to receive their financial aid funds while on probation.



**Graduate students** who fail to complete a minimum of 75% of credit hours attempted from the previous semester will be placed on SAP probation for the following semester enrolled. They will continue to receive their financial aid funds while on credit hour probation. ***If a graduate student does not meet the cumulative GPA of a 3.00 at the end of the previous semester or placed on probation by the Graduate School, they will no longer be eligible to receive financial aid funds, until they are off probation from the Graduate School.***

### **Suspension of Aid**

A student's financial aid will be suspended for **any** of the following reasons:

1. The student fails to make progress toward the minimum required cumulative GPA for two (2) consecutive semesters (Fall/Spring/Summer);
2. Failure to complete a minimum of 75% of the credit hours attempted for two (2) consecutive semesters (Fall/Spring/Summer);
3. Complete withdrawal from the University of Guam during the semester for which aid was received;
4. Dismissal from the University of Guam for any reason;
5. The student has attempted more than 186 credit hours (undergraduates) / 54 credit hours (graduates) towards their degree program and has not received a bachelor's / master's degree;
6. Failure to receive a passing grade (A, B, C, D, or P) for all of the credit hours attempted during the semester.

### **Appeal of Financial Aid Suspension**

A student wishing to appeal their financial aid suspension must do so in writing with the supporting documents attached to the Financial Aid Office **at least 30 calendar days before the start of the term and no later than 30 calendar days before the end of the semester** that the financial aid is desired. The type written appeal must be attached to the Appeal for Reinstatement Form. Failure to adhere to this time line will result in the student losing their right to appeal their suspension.

In the appeal, the student should describe and document any mitigating circumstances (for example: serious illness, severe injury, death of an immediate family member, etc) contributing to the reason for suspension. The response may reinstate the student to full eligibility, deny eligibility, or set conditions for reinstatement.

Appeals with mitigating circumstances must be approved by the Director of Financial Aid Office. Financial Aid advisors must prepare a briefing for the Director with recommendations for the students appeal.

***All appeals should be reviewed and forwarded for approval to the Director within 30 working days of the student's submission of their appeal. All final response to the student will be given within 45 working days after submission of appeal.***

***The Financial Aid Office (FAO) adheres to the Family Educational Rights and Privacy Act (FERPA), and ensures that all information provided by the student is treated in a confidential manner. It protects the rights of students in matters of access to, and the release of information contained in student records, except upon written request by the student.***

For more detailed information you can contact us, as indicated below:

Location: UOG Field House  
 Telephone Nos: 671-735-2284/2288  
 Fax: 671-734-2907  
 E-mail: [finaid@uguam.uog.edu](mailto:finaid@uguam.uog.edu)  
 Address: University of Guam  
 C/O Financial Aid Office  
 UOG Station  
 Mangilao, Guam 96923  
 Website: [www.uog.edu/financialaid](http://www.uog.edu/financialaid)  
 School Code: 003935

## **STUDENT HEALTH SERVICES (SHS)**

Our primary mission of Student Health Service is three-fold ... 1) To provide health clearance for University enrollment, pursuant to Public Law 22-130, Title 10 of the Guam Code Annotated; 2) To provide strong, effective prevention, health promotion, health counseling and educational program/services; 3) To enable students to develop healthy life-styles that will enhance their intellectual growth and development consistent with the mission of the University.

The SHS is an institutional member of the American College Health Association (ACHA) and the Pacific Coast College Health Association (PCCCHA).

## **HEALTH REQUIREMENTS**

All applicants must supply evidence of having been vaccinated against Measles, Mumps and Rubella (MMR#1 & MMR#2) and the results of a tuberculin skin test taken no earlier than 6 months of the date of application. Student Health Service offers this test at no charge provided your application fee is paid for and your application for re-entry is submitted. In addition, applicants must complete a Report of Medical History form and submit it to the Student Health Service. Required documents must be



submitted to Student health Service and be cleared before orientation and registration. Failure to submit documents to clear health requirements will delay your registration. All students are highly encouraged to purchase a medical health insurance plan valid on Guam.

For more detail information, you may contact us at:

Student Health Service

Monday-Friday 08:30-12:00pm, 1:00 pm-04:30pm

UOG Student Center Mangilao, Guam 96923

Phone: (671) 735-2225 Fax: (671) 734-4651

Email: [skisa@uguam.uog.edu](mailto:skisa@uguam.uog.edu)/  
[gloriab@uguam.uog.edu](mailto:gloriab@uguam.uog.edu)

## INTERNATIONAL STUDENTS

Most medical care services in the U.S. are extremely expensive. To protect our UOG International (I-20) Students from these high costs, the University requires all full-time International Students to have health insurance by providing proof of coverage that is valid on Guam. Please refer International Student Exchange Memorandum of Agreement for additional information. You may contact the Dean of Enrollment Management & Student Services at (671) 735-2292.

## EXCHANGE STUDENTS

The University strongly recommends all full-time Exchange Students to have health insurance coverage valid on Guam.

## RESIDENCE HALLS OFFICE

The Residence Halls Office is responsible for providing student housing and promoting residence life programs for students. Living on campus contributes to the intellectual, social, and emotional well-being of the students who compose the residential community. Student residents live conveniently near to University resources and they are part of a community that encourages and helps them to excel academically, while providing them with co-curricular programs, healthy recreational activities, and enjoyable entertainment.

The University of Guam has three co-ed residence halls (dormitories) on campus, which accommodate up to 191 student residents in double occupancy rooms and strictly single private rooms. Dorm 1 residences are located only on the first floor of the building with two wings and a total of 2 corridors. The residents share one kitchen, one bathroom on each wing, a study hall, TV Lounge and a laundry room. Dorm 1 is 24/7 non-alcohol and quiet zone and rooms are strictly single and private. Dorms 2 and 3 are two-story buildings with two wings (for a total of 4 corridors per hall), two kitchens, a study hall, a TV lounge and a laundry room. Each corridor has twelve

rooms and one or two bathrooms which are shared by the residents of that corridor. Two students generally share residential rooms, though single rooms may be obtained for a premium when space is available. Most rooms are air-conditioned. All residences are furnished with a bed, a desk and chair, and a closet or wardrobe with chest of drawers for each resident.

The residence halls are staffed by student Resident Assistants (RAs). The RAs coordinate many co-curricular and extracurricular activities, competitions, and events. The Recreation Room (for physical fitness activities and ping pong), outdoor playing fields and courts (basketball and volleyball), and the UOG Field House (with its weight room, exercise room, and indoor courts) are readily available for the use of residents.

Application for residence on campus may be made with the Residence Halls Office. A \$100.00 reservation/security deposit is required at the time of the initial application. Reservations are filled in the order of the arrival of complete applications (with deposits). Students who make reservations but are unable to attend 2012-2013, the University will receive a \$50.00 refund from their deposits ONLY when they provide the Residence Halls Office with a written cancellation before the first day of the contract period. After that date, the entire deposit will be forfeited. A reservation will be automatically canceled, if a student fails to arrive at the residence hall at the beginning of the contract period, unless a written confirmation of the reservation, which specifies the date of arrival, is received by the Residence Halls Office before the first day of the contract period.

To receive a Housing application or additional information regarding Residence Hall, contact the Residence Halls Office at:

Residence Halls Office

University of Guam UOG Station

Mangilao, Guam 96923

Phone: (671) 735-2260 Fax: (671) 734-2262

E-Mail: [rho@uguam.uog.edu](mailto:rho@uguam.uog.edu)

Webpage: [www.uog.edu](http://www.uog.edu)

Prospective residents are welcome to visit the residence halls Monday through Friday, from 8:00 a.m. to 5:00 p.m. Call 671-735-2260 to schedule a visit.

## TRIO PROGRAMS

The TRIO Program is responsible for the management of three federally funded programs: Student Support Services, Upward Bound and Educational Talent Search. The TRIO office is located at the UOG Fieldhouse 2nd floor Dorm 1, first floor, right wing and is open during regular working hours from 8:00 a.m. to 5:00 p.m.



## STUDENT SUPPORT SERVICES (SSS)

Student Support Services is a 100% federally funded program which provides free academic services to eligible University of Guam students. These services are designed to assist low-income, first-generation college students and students with disabilities in completing their bachelor degrees. Such services are: academic assistance in math and English, academic guidance and counseling, peer counseling, financial aid searches, and cultural activities. A student is eligible to participate in SSS if the student meets one or more of the following: is a low-income individual, a first generation college student, or an individual with disabilities. SSS is located at SOE 1<sup>st</sup> floor Room 108 and 2<sup>nd</sup> floor of the Field House and is open from Monday to Friday 8 a.m. to 5 p.m. The phone number is 735-2248 or Fax 734-7514.

### UPWARD BOUND (UB) PROGRAM:

The Upward Bound (UB) program is a college preparation program hosted by UOG. It is 100% federally funded to serve 95 high school students currently attending one of Guam's public high schools (GW, JFK, SHS, SSS and Okkodu). The program's main objectives are to: a) help improve standardized test scores; b) retain students in high school so they may graduate; c) provide college preparation; and d) enroll in a postsecondary institution immediately after high school graduation.

UB's free services for eligible students include: academic support services; career and college prep activities; financial aid information and assistance; summer program at UOG; tutoring; study skills development; field trips; and more. For program information contact the TRIO Programs/ UB Office at 735-1992/ 2245.

### EDUCATIONAL TALENT SEARCH (ETS)

ETS is a 100% federally funded program under the U.S. Department of Education, Higher Education Act of 1965, as amended by the US Higher Education Opportunity Act of 2008. ETS is a nationwide program under the TRIO umbrella. The ETS program serves 739 middle and high school students as well as young adults (until age 27). The purpose of the program is to provide encouragement to the participants in completing a high school education, information about post-secondary programs, and assistance in completing college admissions and financial aid applications. The program provides the services through workshops or in small sessions year round. Participants must be from low-income family background according to the Federal Income guidelines and/or first-generation college students to qualify for the program. ETS is located at the Field House, 2nd floor and is open from Monday through Friday, 8 a.m. to 5 p.m. The telephone numbers are (671) 735-1990/2246/2250.

## EEO/ADA & TITLE IX OFFICE

The EEO/ADA & TITLE IX Office provides various services to students relating to equal employment opportunities, needs for students with disabilities and ensures non-discrimination on the basis of sex in the admission to or employment in its education programs or activities.

Our Office provides for the needs of students with disabilities to assure they can access all institutional programs and services, foster independence and facilitate self-advocacy. Request for academic accommodations should be done at least 4 weeks before classes begin. ***All students with disabilities must submit appropriate educational, medical and psychological documentation to substantiate their need for services. Confidentiality is maintained.***

Students with disabilities may benefit from commonly offered accommodations that include, but are not limited to:

- Library Assistance
- Note Takers
- Readers
- Academic Support Center/Tutors  
*(Undergraduate students may use existing tutorial labs and services which are available through the TRIO Program in the areas of English and Mathematics)*
- Sign Language Interpreters
- Special Equipment *(voice/tape recorders)*
- Adapted Testing *(required when students with disabilities need special equipment, readers, writers, proctors, additional time, etc... to take quizzes, exams, and placement tests.)*

Students are advised to visit the EEO/ADA & TITLE IX Office to pick up a copy of the *Policy for Equal Employment and Non-Discrimination/Non-Harassment and Policy and Procedure for Students and Applicants with a Disability Handbook*. Requests for academic accommodations may also be made by contacting our Office at:

EEO/ADA & TITLE IX OFFICE  
IYA-HAMI HALL  
DORM 2, ROOM 106 (right wing entrance)  
(671) 735-2244 or TDD (671) 735-2243  
Email address: eeo-ada@uogam.uog.edu



## ADMISSIONS AND RECORDS OFFICE

### UNDERGRADUATE ADMISSIONS POLICIES AND PROCEDURES

The Office of Admission and Records welcomes inquiries regarding admission application, transcript request, academic evaluation, enrollment verifications, registration processing and student records.

Inquiries may be made at:

Office of Admissions UOG Field House  
Phone: (671) 735-2201/2202 Fax: (671) 735-2203  
email: [admitme@uguam.uog.edu](mailto:admitme@uguam.uog.edu)  
website: [www.uog.edu](http://www.uog.edu)

### APPLICATION AND ADMISSIONS

Application and fee should be submitted as early as possible prior to the admission application deadlines as listed in the Academic Calendar. Applicants are notified of admission decisions on a rolling basis. Once applications are received and evaluated by the Admissions Office, applicants are notified that they have been admitted, or that their submission is incomplete. A decision to accept an application cannot be made until all required materials are on file and the application fee is paid.

To be considered for admission, applicants must submit complete and official credentials, which include complete documentation of their previous educational background. Official transcripts must be sent directly to the Office of Admissions from the issuing institution. Failure to submit official transcripts from all institutions previously attended is cause for canceling the admission process or for dismissal. All credentials presented for admission to the University of Guam become the property of the University and will not be given to or reproduced for the applicant.

### APPLICATION FEES (NON-REFUNDABLE)

| Entry Term  | Resident | Non-Resident Foreign |
|-------------|----------|----------------------|
| FALL 2013   | \$49.00  | \$74.00              |
| SPRING 2014 | \$49.00  | \$74.00              |
| SUMMER 2014 | \$49.00  | \$74.00              |
| FALL 2014   | \$49.00  | \$74.00              |

**Cancellation of Admission** A student's admission to the University will be canceled if she or he fails to register for classes in the term for which she or he has been admitted. Application files are retained for one year from the date submitted, and students whose admissions have been canceled because of failure to register for the appropriate

term may reapply and must meet all the current requirements for admission. Documentation on file, such as placement examination scores, transcripts, evaluations, and fees may be used for reapplication if they meet the admission requirements at the time of the reapplication, and provided that the reapplication is submitted within one year of the first application.

**Admission to Bachelor's Degree Programs** Admission to the University does not imply admission to the program of your choice. Specific programs may have additional requirements. Please review the information listed under your prospective college or major.

**Health Requirements** All applicants and students are required to supply the Student Health Services Office with evidence of having been vaccinated against measles, mumps and rubella (MMR) and the results of a tuberculin skin test taken no earlier than six months prior to the beginning of the entry term. Prior to the registration period, submit the documents described below in order to be eligible to enroll in classes. (NOTE: F-1 visa international applicants must submit health documents before the I-20 will be issued.)

1. Present written documentation (if born in or after 1957) of receiving a vaccination against measles, mumps, and rubella (MMR), administered after the individual was one year of age. In the case of measles and rubella, only vaccination dates during or after 1968 are acceptable. Exemptions from these immunization requirements are allowed where medically indicated or if in conflict with religious beliefs.
2. Have a PPD (Purified Protein Derivative) skin test to be sure that she or he is free of tuberculosis. (This requirement applies also to any returning student who has not enrolled for two or more regular semesters.) Students who show positive PPD results will be referred to the Guam Department of Public Health and Social Services for clearance prior to enrollment. The University reserves the right to require annual PPD testing for those foreign (I-20) students who leave Guam for places other than the U.S. before returning to UOG.

**Right to Appeal** Applicants or former students who have been denied admission to the University and feel that extenuating circumstances exist, may submit a request for appeal to the Registrar's Office for review and evaluation. Appeal forms are available at the Admissions and Records Office.

**New Student Placement Examination** All entering freshmen must take the English and Mathematics Placement Examinations prior to registration. Transfer students may be exempted if an official transcript from an accredited U.S. college or university has been submitted indicating the completion with a "C" or better in the



following: (1) three semester hours of college English for exemption from the English exam and (2) three semester hours in intermediate algebra, college algebra, or finite math for exemption from the Math exam.

Transfer students who do not take the placement tests or who do not submit proof as previously indicated are limited in their enrollment by the provisions of the transition student enrollment policy. Such students may not enroll until the open or late registration periods and may register only for courses on the Transition Student Course List. Enrollment under this policy is limited to one semester. Placement test dates are posted in the Academic Calendar.

**Test Scores** Any student whose English placement test results show deficiencies in reading or writing must enroll in Fundamentals of English EN085 either prior to or concurrently with her or his enrollment in other courses at the University and is classified as a transition student. Any student who is classified as a transition student may not enroll in any courses except transition courses until satisfactorily completing EN085. Transition course lists are kept and updated by the College of Liberal Arts and Social Sciences (CLASS). Contact CLASS for rules and procedures for retaking the English Placement Tests.

**English Advanced Placement of New Students** The University of Guam recognizes the high scholastic achievement of students who successfully complete the Advanced Placement Program of the College Board Exam while in secondary school. For advanced placement within the English Program, students who document a score of 3 on the AP exam for English Language and Composition are placed in EN110 students who document a score of 4 or 5 are placed in EN 111 as well as given credit for having taken EN110. AP Literature scores of 4 or 5 will count for EN 210 credit. Requests for AP credit must be made to the Registrar upon admission to the university.

The English Program also accepts the results of the College Level Examination Program (CLEP) Tests. For CLEP general examination in English scores reported by Educational Testing Services (ETS) as ranking in the:

39<sup>th</sup> to 49<sup>th</sup> percentile:

Students are placed in EN111 and given credit for having taken EN110.

Additionally, the English Program recognizes students who take the International Baccalaureate (IB) Language A1 exam. Students who document a score of 4 on the IB Language A1 exam are placed in EN100 (unless they take the UOG Placement Test and score higher); students who document a score of 5 are placed in EN110; and students who document a score of 6 are placed in EN111 as well as given a credit for having taken EN110

**Student Identification Number** Upon admission to the University each applicant is assigned a student identification number. This number is permanent and is used as an identifying account number throughout attendance at the University in order to record necessary data accurately. A student's Social Security Number (SSN) is used only as a secondary identifier, much like a Personal Identification Number given to bank card holders, and is used to verify various student transactions, such as registration, payment of fees, possible income tax deduction benefits, and financial aid.

**Admission of New Freshmen Students** An applicant who has successfully completed twelve (12) years of formal education or who has passed the General Educational Development (GED) Test with a cumulative score of 45 or higher will be considered for regular admission after submitting a complete Application for Admission and supporting documents by the application deadlines as indicated in the Academic Calendar. Official transcripts must be sent directly to the Admissions Office from the issuing institution indicating date of high school graduation or proof of successful completion of the GED Test.

**Admission of Home School Students** Home school applicant who has successfully completed twelve (12) years of education will be considered for regular admission after submitting a complete Application for Admission and supporting documents by the application deadlines as indicated in the Academic Calendar. Official transcripts signed by a tutor or parent must be sent directly to the Admissions Office indicating the date of high school graduation. For more information please contact the Admissions and Records Office.

**Special Students** An applicant 18 years of age or older who does not meet the requirements for regular admission as a freshman student may be admitted to the University as a "special" student. General admission requirements for the special student are the same as those listed for the freshman student. A special student who does not possess a high school diploma or GED is not eligible for federal financial aid.

The following regulations and restrictions apply to special students:

- After admission they may enroll in any lower division course for which they are qualified.
- They will receive college credit for courses completed as special students.
- They may not be considered for graduation from any college program until they have been reclassified to regular student status.

To be reclassified as regular students, special students must qualify through one of the following steps: (a) submit a high school diploma or (b) submit a satisfactory score on the GED Test or (c) complete at least 15 credit hours with a "C" or better in each course.



Special students must think carefully about their educational objectives before they select their first courses. If, for example, their intentions are simply to enrich their backgrounds or to refresh themselves in certain subject areas, then their enrollment in such courses will be determined on that basis. If, on the other hand, they anticipate entry into a degree program, they should seek guidance from their advisors and/or the chairpersons of the particular career programs, so that the courses they select during their initial enrollment, as special students will prepare them for matriculation into particular colleges and programs. In short, successful completion of 15 credit hours, even though qualifying special students for reclassification as regular students, does not necessarily qualify students for admission into particular colleges for pursuit of degree programs.

**Admission of Transfer Students** Applicants are considered transfer students if they have enrolled for any college-level course work at another U.S. regionally accredited institution, full-time or part-time, since graduating from high school. Applicants are not considered transfer students if the only college-level classes they have taken were while enrolled in high school. To be considered for admission, transfer students must report all previous college work and have official transcripts forwarded to the Admissions Office directly from the issuing institution. Students who have successfully completed less than 15 semester hours of college credit must have high school transcripts indicating date of graduation or proof of successful completion of the General Educational Development (GED) Test sent directly to the Admissions Office from the issuing institution. Transcripts received by the University become the property of the University and will not be given to the student or reproduced under any circumstances.

**Satisfactory Academic Performance** Transfer students must demonstrate satisfactory academic performance as evidenced by an overall grade point average of 2.00 or better on a 4.00 scale on all college work attempted and be in good academic standing at their last institution of attendance.

**Conditional Admission of Transfer Students.** Students who do not have a cumulative (overall) grade point average of at least 2.00 or were not in good academic standing at their last institution of attendance, may be admitted to the University on probation if one of the following is applicable:

- The student has an overall grade point average of 1.90 or better on a 4.00 grade point scale.
- The student has completed a total of less than 15 semester hours with an overall grade point average of less than 2.00 on a 4.00 grade scale

Students admitted on conditional admission must maintain a grade point average of 2.00 or better during their first

semester of enrollment to be eligible for continued enrollment.

**Admission of International (F visa, I-20) Students.** The University is authorized under federal law to enroll non-immigrant foreign (alien) students for degree-seeking purposes or English language training. Such international students are designated as “I-20 applicants or students”. Foreign students are those whose entry into and stay in Guam and the United States is prescribed by and subject to the limitations of non-immigrant visas, including but not limited to F-visas.

Prospective international I-20 applicants interested in the University of Guam should write to the Office of Admissions at least six (6) months before their expected date of enrollment. This is to ensure adequate time for the University to receive and evaluate all of the necessary requirements for admission. Please refer to the Academic Calendar for admission deadlines or inquire at the Admissions and Records Office.

I-20 applicants and students who are degree-seeking, must submit evidence of an adequate command of the English language by earning a satisfactory score on the Test of English as a Foreign Language (TOEFL) or enrollment and successful completion of the UOG English Language Institute Program as evidenced by achieving a score of 500 or above on the paper-based test (173 or above on the computer-based test, 61 or above on the internet-based test). If a degree-seeking applicant has not obtained the required TOEFL score, the student may be accepted as a degree-seeking student with a requirement of enrollment and successful completion in the UOG English Language Institute Program as eventually evidenced by achieving a score of 500 or above on the paper-based test (173 or above on the computer-based test, 61 or above on the internet-based test) BEFORE they can enroll in academic or developmental courses, or the required academic courses leading to their degree. Students who score 500 or above on the TOEFL paper-based test, (or 173 or above on the computer-based test, 61 or above on the internet-based test) will be admitted as regular students if they meet all other University of Guam admission requirements.

I-20 students who originally receive an F-Visa for English language training and successfully complete the UOG English Language Training as certified by ELI, are not required to take the TOEFL if they apply for change of educational level to degree-seeking.

I-20 applicants should observe the following:

- Complete the regular student admission requirements listed earlier in this section.
- Information about TOEFL may be obtained by writing to: TOEFL Services, PO Box 6151, Princeton, NJ 08540-6151, USA, or 1-609-771-7100, [www.ets.org/toefl/](http://www.ets.org/toefl/) or [toefl@ets.org](mailto:toefl@ets.org)



- Make adequate financial arrangements for the desired period of enrollment at the University of Guam. An affidavit of financial support or a statement of financial responsibility will be required. Proof of a guaranteed minimum amount of \$1,000 must be submitted for initial entry. Private scholarships may be available to international students based on various criteria. For more information, contact the Financial Aid Office.
- Upon arrival at the University, take the placement tests in English, speech, mathematics, and any other required qualifying examinations. (See Certificate of Eligibility for entry into Guam)
- On-campus housing accommodation is available on a first-come-first-serve basis. Arrangements for housing should be completed before the student's arrival on campus. Detailed information regarding housing may be obtained from the Director, Residence Halls, UOG (See Student Housing and Residence Life)
- Most medical care services in the U.S. are extremely expensive. To protect our UOG International Students from these high costs, the University requires all International Students to have medical health insurance by providing proof of coverage that is valid on Guam. Maintain full-time enrollment (12 credits or more) during the Fall and Spring semesters
- Maintain satisfactory academic progress with a minimum GPA of 2.00

Upon arrival at the University of Guam, the student should obtain an appointment as early as possible with the Admissions Office.

**International (nonimmigrant visa other than F visa) Students** UOG uses separate requirements and application filing dates in the admission of foreign students who possess a nonimmigrant visa other than F visa. For these purposes, foreign students are residents of a country other than the United States or those who hold visas as exchange visitors, or in other nonimmigrant classifications.

Applicants for admission as either graduate or undergraduate students whose education has been in a foreign country should file an application for admission, including official certificates and detailed transcripts of record directly from the previous institution to the Admissions Office for each secondary school and collegiate institution attended several months in advance of the opening of the semester in which the applicant expects to attend. If certificates and transcripts are not in English, they must be accompanied by certified English translations. Credentials will be evaluated in accordance with general regulations governing admission to UOG.

A degree-seeking applicant whose education has been in a language other than English may be required to take the Test of English as a Foreign Language (TOEFL) and

achieve the same scores as I-20 applicants. This test is administered in most foreign countries; official test scores must be received by the University before admission can be granted. Information as to the time and place at which this test is given may be obtained from: TOEFL Services PO Box 6151, Princeton, New Jersey 08540-6151, U.S.A., or 1-609-771-7100, [www.ets.org/toefl/](http://www.ets.org/toefl/) or [toefl@ets.org](mailto:toefl@ets.org).

**English Language Institute (ELI)** Students have the option to apply to the English Language Institute (ELI). The University of Guam recognizes that some students need specialized, intensive instruction in the English language in order to successfully complete English-medium course work. ELI students applying strictly for English language training are not admitted to the University of Guam as degree seeking students.

**Admission of Former (Returning) Students** Former students who have not attended the University for at least one regular semester (Fall or Spring) of the current academic year are required to submit an Application for Re-Entry to the Records Office at least one week before the registration period. Official transcripts from all colleges and/or universities attended during the student's non-attendance at the University of Guam (UOG) are required and must be submitted directly to the Admissions and Records Office from the issuing institution prior to re-entry review. Students who were in good academic standing prior to their non-attendance at UOG and missed only one semester during the current academic year are eligible for an extension to submit official transcripts until the end of the first semester or term of re-enrollment.

A cumulative or overall grade point average of 2.00 on a 4.00 scale is the minimum requirement for satisfactory academic performance. Therefore, returning students who do not satisfy the minimum requirement will be admitted to the University on probation and must maintain a grade point average of 2.00 or better during the first semester of re-entry to be eligible for continued enrollment.

**Second Baccalaureate Degree** A second baccalaureate degree may not be attempted until the first has been awarded. (A student may complete two majors simultaneously, but she or he will be awarded only one baccalaureate degree under those circumstances.) Matriculation in a second degree will be approved only if:

- ◆ The student files with the Registrar's Office a statement of approval by the dean of the college/school and the chair of the department in which she or he wishes to complete the second degree; and
- ◆ The student's major for the second degree is taken in a subject matter field other than the one in which she or he was awarded the first degree; and furthermore,
- ◆ The credit-hour requirements for the major leading to the second baccalaureate degree are those specified in



the current catalog and will have been earned after the awarding of the first baccalaureate degree.

In addition, the following regulations apply:

- ◆ A minimum of thirty-two (32) credit hours toward the second baccalaureate degree must be completed in residence at the University of Guam.
- ◆ Students holding a baccalaureate degree from other U.S. accredited four-year colleges and universities or foreign equivalent may attempt a second baccalaureate degree at the University of Guam provided they meet the relevant requirements listed above.
- ◆ In some cases, the General Education requirements may be waived when the student is pursuing a second baccalaureate degree.

**Admission of Non-Degree Students** The University of Guam recognizes that some mature individuals need specific courses for personal enrichment or professional advancement and do not require degree programs. The following option is for such individuals only.

An applicant who has not been a full-time secondary student for at least four years, or who is enrolled in a degree program at another institution and does not wish to enroll in a degree program at UOG, may apply for admission as a non-degree student. A non-degree student is not required to submit high school or previous college records or to take placement examinations except for entry into courses in English and mathematics.

A maximum of 30 credits taken by a student in non-degree status can be accepted toward fulfillment of a degree program at the University of Guam if the student meets the following requirements:

- An Application for Admission for Degree Seeking Undergraduate Students must be submitted to the Admissions Office. The student must complete all requirements for admission, as would a degree-seeking student.
- Prerequisite courses not completed while the students were in non-degree status must be satisfied before the requested courses can be applied toward a degree program.

Courses taken in non-degree status are taken at the student's risk, without regard to formal prerequisites. Non-degree students are urged to seek the advice of the course instructor. Enrollment is subject to availability of space and instructor's concurrence.

Students seeking degrees at other institutions should determine in advance whether courses taken at UOG are transferable to their receiving institution.

### Advanced High School – Resolution No. 09-14

The following provisions shall govern the conduct of the Advanced High School Program:

1. The scholarship shall be awarded to qualified high school students who are within one (1) year of graduation and enrolled in eligible high schools on Guam; and
2. The student must be a resident of Guam for a continuous period of not less than one (1) year immediately preceding June 15th of the year the award is to be awarded.
3. The student must have an overall academic grade point average of at least a 3.0 (B) in his/her high school (10th to 12th grade) studies; and
4. The student must take the UOG Placement Examination and be placed in college level English or Math;
  - a. This requirement may be waived for students who participate in special programs.
5. The student must provide a written recommendation from his/her high school counselor or principal; and
6. The student must provide written approval from his/her parents or legal guardian to attend the University of Guam; and
7. The student must have the UOG class schedule approved by high school counselor prior to registration; and
8. The student must provide a copy of his/her senior high school class schedule for the term
9. The student must follow all academic policies, rules and regulations applicable (see UOG catalog for details);
10. The student must complete all student admission requirements of the University of Guam.
11. The student must follow all UOG academic policies, rules and regulations related to course prerequisites and enrollment in lower and upper division courses. High school students are not eligible to enroll in upper division courses.
12. The award shall cover tuition (up to 6 credit hours) and shall be a direct credit to the student's account at the UOG Business Office. NOTE: The



6 credits may be taken during separate semesters (not including Intersession).

13. The award shall cover only the equivalent of one (1) semester of part-time attendance at the University of Guam, i.e., six credits.
14. Recipients under this program shall maintain a 3.0 cumulative grade point average for courses for which they are registered under this program.
15. Recipients under this program are obligated to reimburse the University of Guam for tuition if the student fails to maintain a 3.0 cumulative grade point average.
16. Benefits are subject to the availability of funding.

**English and Mathematics Academics** From time to time the University offers English and Mathematics developmental courses to new high school graduates and high school seniors. All such students are eligible for placement in these non-degree-credit courses. Placement into EN085 and MA085 is determined by the results of the University's Placement Tests. For students placed into EN085 and MA085, successful completion is one of the prerequisites for entry into credit bearing courses in the required Freshman English and Mathematics sequence. Students must also apply and be accepted as a student at the University of Guam in order to register for credit bearing courses.

### SENIOR CITIZENS

Persons 55 years or older are entitled to free tuition during the regular semester at the University of Guam, provided that he/she be a resident of Guam for no less than five (5) years preceding enrollment (Public Law no. 24-151), and provided that they have been admitted to the University. Admissions into a course shall be on a space available basis or, if a course(s) is full, by permission of the instructor(s). Senior citizens may apply for admission as a degree seeking student or as a non-degree student. Registration is scheduled after the scheduled adjustment period (add/drop) of any regular (Fall/Spring) semester. Payment of fees for each semester must be paid by the assigned payment deadline. However, a Senior Citizen may enroll during any registration period provided he/she registers on the assigned registration for her/his class level and provided he/she pays the required tuition and fees.

**NOTE:** Because all intersession and summer classes are offered on a self-sustaining basis, there will be no senior citizen tuition waiver for intersession and summer classes or courses offered outside the regular semester. There are no waivers for courses or programs offered through PIP. For assistance, contact the assigned coordinator at the Records Office. All admissions and enrollment requirements apply.

### VETERANS & MONTGOMERY GI BILL

- Various branches of the military both Active and Reserve, provide financial assistance to their personnel and their dependents.
- Financial assistance covers a portion of the tuition, fees, books, and supplies.
- Not all branches provide the same benefits. You must contact your Unit's Education Officer for more information.
- Eligibility covers U.S. Military Veterans, Selected Reserves, and qualified dependent/spouse.
- You may file an application at the Financial Aid Office.

### ACTIVE DUTY MILITARY PERSONNEL

All active duty military personnel as well as veterans with more than one year of service are encouraged to visit with the Admissions and Records Office at the Field House for information concerning credit granted for military service. The University of Guam is a member of Service members Opportunity Colleges (SOC & SOC-NAV), which insures transferability of credits among member institutions.

### MILITARY ACTIVATION DURING WARTIME OR FOR MANDATORY TRAINING

Recognizing the need to accommodate students who are asked to serve their country during wartime or for mandatory military training, the University of Guam will allow students called to active military duty for deployment during wartime or for mandatory military training while enrolled in a given semester to be provided a refund of tuition and fees and official withdrawal from their classes. As an alternative to refunds, students may opt for credit against future enrollment, or request an incomplete grade ("I") from their respective instructors (subject to instructor approval). Students will be required to provide to the Registrar's Office and the Business Office written proof of active military status and deployment and indicate whether a refund or credit is preferred.





## TRANSITION STUDENT ENROLLMENT POLICY

Transition students at the University are limited in the number and kinds of courses in which they may enroll.

### Definition

- A. Transition Student. Any student who has been placed, on the basis of her or his performance on the standard English placement tests used by the University, into the developmental English course, EN085.

Transition Student Advisement. Transition students may be advised only by **advisors officially designated by** the Division of English and Applied Linguistics.

- B. Transition Student Course List. Each college has established a list of courses that have been approved for transition student enrollment. A master course list is kept current by the Division of English and Applied Linguistic.

Each semester the Developmental English Program prepares a Transition Course Schedule of the courses from the master list being offered that semester. A transition student may enroll only in courses from the Transition Student Course List.

## REGISTRATION

**Academic Advisement** Although the academic advising of students may occur throughout the academic year, it is especially important prior to registration for classes. Students are urged to contact an advisor as soon as the class schedule is available to discuss course prerequisites, the requirements of their academic programs and the courses offered in the current Schedule of Course Offerings. Advisor assignments are issued at your college/school Dean's Office. Students with undeclared academic majors receive assistance from the Student Counseling Services Office or the appropriate college/school. Times and details of registration, as well as instructions on how to register, are a part of the published and web-based Schedule of Course Offerings for each academic term.

There are three registration periods:

- **Early Registration** (*Registration by Class Level*). Continuing or returning students register on assigned days/times based upon their class level – Freshman, Sophomore, Junior, Senior, Graduate, etc. Class level is based on credit hours earned.
- **Open Registration**. All class levels may register during this time period. New students may register only on assigned days.
- **Late Registration**. All students may register during this time period.

**Changes in Course Schedule** A registered student may drop and/or add courses with the prior approval of her or his academic advisor as required. Such changes may be made, before the first day of weekday classes without additional charge or cancellation fee. Students may also change their class schedules during the Schedule Adjustment Period, and the cancellation fee schedule (per transaction) for dropping courses will apply. Ordinarily, no course may be added or changed after the designated date, although withdrawal from courses is permitted within the limits indicated in the section entitled Withdrawal Policy.

**Resident and Non-Resident Students** An applicant is initially classified as a resident or non-resident for tuition purposes at the time of application with the Office of Admissions. The classification, which is certified by the Registrar, is based upon information furnished by the student and from other relevant sources. In compliance with the Residency Policy passed by the Board of Regents on February 1996 and amended on May 1997, June 17, 2004 and December 13, 2012, students in Non-Resident status are required to pay non-resident tuition.

The considerations used in determining Residency status are as follows:

- a. Establishment of a domicile on Guam or in one of the Freely Associated States (the Commonwealth of the Northern Marianas Islands, the Federated States of Micronesia, the Marshal Islands, or the Republic of Palau) as mandated by 17GC16125. (a) for a period of twelve month prior to the beginning of the term for which residency is claimed, or
- b. Evidence of residency for a period of twelve months or more prior to the beginning of the term for which residency is claimed. Evidence of residency will be shown by a student providing documentation from one of the following<sup>1</sup>:
  - Permanent employment on Guam (verification of employment)
  - Payment of income taxes of Guam (by student, or by parent/guardian if the student is a dependent).
  - Ownership or rental of living quarters on Guam.
  - Continue to use a Guam permanent address on ALL RECORDS (educational, employment, military, financial).
  - Retain your Guam voter's registration.
  - Maintain a Guam driver's license or vehicle registration. If it is necessary to change your license or registration while temporarily residing in another location, the license MUST



be changed back to Guam within 10 days of the date of return to Guam, and the vehicle registration must be changed within 20 days of the date of return.

- Village Mayor’s certification of residency.
- c. Adjustment to Permanent Resident Status Students who have filed for an Adjustment to Permanent Resident Status will be eligible for resident rate **only** if they have resided on Guam for twelve consecutive months prior to applying to the university and have submitted the following supporting documents:
- A Notice of Action for the Adjustment to Permanent Resident Status from the USCIS.
  - Proof of residency (documents to prove living on Guam for the last twelve months prior to applying to the university).

A Notice of Action denying the student’s application for an Adjustment to Permanent Resident Status will render the student ineligible for resident tuition rate.

The burden of proof is upon the student making a claim to resident student’s status. The admission of students who knowingly provide false information for the purpose of achieving resident status shall be subject to cancellation and adjusted billing.

**Exemptions to the twelve-month requirement where resident classification may apply<sup>1</sup>:**

**Graduate of a Guam High School** You may be entitled to an exemption from nonresident tuition if you attended high school in Guam for three (3) or more years AND graduated from a Guam high school. You are not eligible for this exemption if you are a nonimmigrant alien.

**Attended Elementary and Middle School on Guam** You may be entitled to an exemption from nonresident tuition if you attended both elementary AND middle school on Guam. You are not eligible for this exemption if you are a nonimmigrant alien.

**Active Military Duty** United States Military personnel and their authorized dependents (as defined by the Armed Services) during the period such personnel are stationed in Guam on active duty. NOTE: This exception does not apply to employees of other U.S. federal government departments, bureaus, or agencies or their dependents who are assigned or stationed to Guam.

**Legal Place of Residency** You may be entitled to an exemption from nonresident tuition if you are able to demonstrate to the Registrar that Guam is your legal place

of residency and you intend to make Guam your permanent place of residency.

You may be entitled to an exemption from nonresident tuition if you are able to demonstrate that you permanently reside in Guam, but have been absent for only educational, training, or military reasons.

<sup>1</sup>**Non immigrant aliens, e.g. B,F,H,E Visa holders, are classified as non-residents and are not qualified for resident tuition rates or exemptions.**

If you are classified as a non-resident and wish to be considered for resident reclassification, complete the “Petition for Residency Student Classification” before the semester or term you wish to enroll. Approved changes of status will become effective for the term or semester following the approval; they are not retroactive, and no refunds will be given.

## WITHDRAWAL POLICY

**Administrative Drop** Students are responsible for registering only for those courses for which they have met the stated prerequisites. Students who register for classes without the proper prerequisite courses or exemption from the prerequisites and are administratively dropped after the refund period are not eligible for a refund of tuition or fees.

**Student-Initiated Schedule Adjustment/ Add/Drop** Students may drop from a class or classes during the first week of instruction of a regular semester and the first day of a summer session without anything being recorded on their transcripts See Cancellation Fee section for applicable charges.

**Student-Initiated – Official Withdrawal** From the second through the eighth week of instruction of a regular semester and from the second day of classes for each summer session through the third week of each summer session, students may withdraw by filing a withdrawal form in the Records Office. This form must be signed by the student’s advisor. A "W" (indicating an official withdrawal) will be recorded. If students fail to file the withdrawal form and do not attend the class, a "UW" (Unofficial Withdrawal) will be recorded. The "UW" will be calculated in the GPA in the same way as an "F." See *Cancellation Fee* section for applicable charges.

After the eighth week of instruction of a regular semester and after the third week of a summer session, students may NOT withdraw from individual courses without submitting to the Records Office a Petition to Withdraw form that has been approved by the class instructor and the student’s advisor. Students requesting a complete withdrawal from the University must file a withdrawal form available at the Records Office and



obtain the required signatures. See *Cancellation Fee* section for applicable charges.

**Unofficial Withdrawal** When students leave the University or stop attending a class without requesting an official withdrawal according to this regulation, the administrative mark "UW" will be recorded unless the instructor submits an academic grade. For GPA purposes, a UW is regarded as an F grade. All tuition and fees apply.

## CANCELLATION OF REGISTRATION

If tuition has not been paid nor arrangements made with the Financial Aid and Bursars' Office by the deadline for payments, the student's registration will be cancelled and no refunds will be provided and students will be obligated to pay outstanding balance.

## TRANSFER OF COLLEGE-LEVEL CREDIT

Transfer students' transcripts must be forwarded by the Registrar of the institution previously attended directly to the Registrar at the University of Guam. Determination of acceptable courses and credit hours from other institutions and the particular courses which will apply toward the completion of the student's program will be made by the Registrar of the University of Guam. The major program faculty and relevant Dean recommend course equivalencies for major or upper level courses. For other courses, the discipline Faculty, Dean or General Education Committee will often recommend equivalencies.

All degree level courses completed at any university, along with their grades, will be recorded on the University of Guam transcript with the credits accepted for transfer indicated. The recording procedures will be determined by the Office of Admission and Records, and an effort will be made to provide information for academic advisement as soon as possible.

Credits earned from other institutions are evaluated for transfer on the basis of a minimum of C, and the maximum number of credit hours allowed is assigned on this basis. A student's cumulative grade-point standing at the University will, at any time, be based on all academic work attempted at the University of Guam and at the institution(s) from which the student transferred.

Students requesting evaluation of credits from unaccredited institutions (those not listed in directories such as Accredited Institutions of Post-Secondary Education) must submit a copy of the school catalog and, if necessary, supportive information from the school's Registrar, in order to have their credits evaluated. Credit

acceptance will be based on the recommendations of the University of Guam department offering similar courses (after the unit is requested by the Office of Admissions and Records to evaluate the credits.) The Registrar's decision is final. Furthermore, students must earn thirty (30) semester hours at the University before an evaluation can be made.

Lower-division transfer courses that are equated to upper-division courses at the University of Guam do not carry upper-division credits, even though they may satisfy certain University of Guam upper-division course requirements. They do not relieve the student of the requirement of having a minimum of 40 upper-division credits for graduation.

See the last pages of this catalog for details on articulation agreements with Regional Community Colleges.

**USAFI and Correspondence Courses.** The number of credit hours earned either in the U. S. Armed Forces Institute (USAFI); and/or in correspondence courses that may be applied toward a degree at the University of Guam is restricted only by the following policies:

- Correspondence credits must have been earned from an accredited college or university.
- Those USAFI and correspondence courses submitted to the University of Guam as transfer credits may be applied toward major or minor program requirements when approved by the college school in which the degree program is offered; and
- Credit hours from these sources cannot be substituted for those credit hours to be earned at the University as part of the residency requirements of the University of Guam.

### College Level Examination Program (CLEP) Tests.

The University of Guam also recognizes and accepts general sections of the College Level Examination Program (CLEP) Tests. The CLEP general examination in English will be accepted for the University of Guam course equivalent (middle column below) if the student's score, reported by ETS, reaches or exceeds the listed percentile ranks:

- 35th to 49th percentile: EN110 - 3 credit hours

The University of Guam will also accept the following CLEP subject examinations for credit if the student's score, reported by ETS, reaches or exceeds the listed percentile ranks:



| TITLES                          | REQUIRED PERCENTILE | UOG EQUIVALENT |
|---------------------------------|---------------------|----------------|
| Introductory Business Law       | 50                  | LW442          |
| Principles of Management        | 50                  | BA240          |
| Principles of Marketing         | 50                  | BA260          |
| Intro to Educational Psychology | 50                  | ED300          |
| Human Growth & Dev.             | 50                  | ED201          |

## POLICY GOVERNING CONTINUING EDUCATION UNITS (CEUS)

The Continuing Education Unit (CEU) is used by the University of Guam, to facilitate the accumulation and exchange of standardized information about participation of individuals in non-credit continuing education. Please note the following four points:

1. CEU credit is for career enrichment/advancement. At no time will CEU credit, by itself, be equivalent to regular credit. CEUs may be integrated into regular credit courses, provided that the CEU is clearly defined and there is assurance that the CEU does not replace regular credit requirements approved by the Vice President of Academic Affairs.
2. CEU contact hours can be structured within a regular credit course, provided that the 10 contact hours to 1 CEU equivalency is maintained. CEUs are awarded on a pass/fail basis. Letter grades are not used, as the goal of the CEU experience is learning enrichment/advancement and not mastery of scholarly material.
3. CEU programs will be governed by the same standards that the University of Guam imposes on regular programs. The University of Guam will have direct quality and fiscal control over all CEU activity within the institution.
4. CEUs cannot be used for degree credit requirements. CEUs and regular credit cannot be earned at the same time for the same learning experience.

Further background information about these units is contained in these six items:

- One CEU is defined as ten contact hours of participation in an organized continuing education experience, under responsible sponsorship, capable direction, and qualified instructors.
- Program objectives, content, format, methods of instruction, methods of evaluation, and program schedules will be established prior to the determination of the number of contact hours and appropriate CEUs. CEUs do not convert to degree credit. CEUs may be integrated into regular credit course work but must be approved on a course-by-course basis by the appropriate college academic affairs committee.
- Permanent records for individual participants in CE programs will be kept.
- Course fees will be negotiated between the requesting agency or individuals and the University.

Other subject examinations will be evaluated individually. Information regarding the general education requirements that can be met through CLEP, the minimum required scores, and the amount of credit granted is available at the Office of Admissions and Records.

Credit from these examinations may also be used to fulfill course requirements in major areas with departmental approval.

## DEFENSE ACTIVITIES FOR NON-TRADITIONAL EDUCATION SUPPORT (DANTES) EXAMINATIONS

The University of Guam will accept the DANTES subject examinations in the following courses (left column) for the University of Guam equivalent listed beside it if the student's score reaches or exceeds the 40th percentile rank for that test as reported by ETS:

|                      |       |                |
|----------------------|-------|----------------|
| Freshman Composition | EN110 | 3 credit hours |
| Writing for Research | EN111 | 3 credit hours |

The University will also accept the following DANTES Subject Examinations for credit if the student's score, reported by ETS, reaches or exceeds the 50<sup>th</sup> percentile rank:

| Numbers       | Titles                             | UOG Equivalent   |
|---------------|------------------------------------|--|
| SB433         | Statistics                         | MA385 Statistics   |
| SA960         | Quality Control I                  | MA385 Statistics   |
| SB453-4       | Principles of Economics I & II     | BA110 Principles of Economics                              |
| SA497         | Economics I & II                   | Economics  |
| SA525         | Introduction to Law                | LW101 Intro .to Criminal Justice                           |
| SB533         | Principles Of Acct.                | BA200 Princ of Financial Accounting                        |
| SB534         | Business Law I                     | LW442 Business Law I                                       |
| SA539 & SB543 | Business Law II                    | LW443 Business Law II                                      |
| SA54          | Princ of Mgmt & Intro. to Business | BA240 Mgmt of Organizations                                |
| SA549         | Money and Banking Marketing        | BA321 Money and Banking<br>BA260 Fundamentals of Marketing |



- Implementation of all continuing education programs will be in accordance with the criteria and guidelines of the University of Guam.
- Review, evaluation and approval of CEUs for an educational experience are the responsibility of the Director of PIP. Contact at 671-735-2600.



## ACADEMIC RULES AND REGULATIONS

### CREDIT HOURS, CLASS LOADS, AND CLASS LEVELS

**Credit hours** In general, each credit unit or hour represents one hour per week in class and two hours in preparation. Under special circumstances, courses may be offered with reduced credit value per clock hour spent in the classroom. For example, courses involving laboratory activity or other applications such as Nursing Clinicals normally require more hours of class or clinical attendance than is reflected in the number of credit hours given.

**Normal class load (number of credit hours)** The normal class load for a student is from 12 to 18 credit hours per regular semester and 6 credit hours per summer session (A,B,C). A combination of a 3-credit course and a 4-credit laboratory plus lecture course, for a total of 7 credits, will be considered a permissible exception to the 6-credit normal class load for a student during a summer term. A full-time student is one registered for at least 12 credits during Fall and Spring Semester.

**Overload (additional credit hours)** A student who has earned less than 60 credits and is making satisfactory progress may carry an overload up to a total of 19-21 semester hours provided she or he has submitted the Request for Class Overload form and has the approval of his or her academic advisor.

A student who has completed 60 credits or more and is making satisfactory progress may carry an overload up to a total of 22-24 semester hours provided she or he has submitted the Request for Class Overload form approved by her or his academic advisor, and the Dean of the student's college/school.

This class overload will include Special Projects, Conference Courses, and Center for Continuing Education

Courses. The student must have accumulated at least 15 credit hours before he/she will be permitted to enroll beyond the normal class load.

**Excess credits** Credits taken in excess of the 24-hour maximum (18-hour for summer term), or credits taken over the normal load without official authorization, will not be granted or recorded as earned credit. Under these conditions the hours for which credit will not be granted will be those with the latest enrollment date which constituted the overload.

**Class levels** Student's class levels are determined on the basis of credit hours earned, as follows:

|            |                             |
|------------|-----------------------------|
| Freshman:  | 1 to 30 credits, inclusive  |
| Sophomore: | 31 to 60 credits, inclusive |
| Junior:    | 61 to 90 credits, inclusive |
| Senior:    | 91 credits and above        |

### GRADES, GRADE POINTS, AND GRADE-POINT AVERAGES

**Academic Records** The Admissions and Records Office maintains the official academic records on all students. Prior to presentation to the faculty for vote on the conferring of degrees, the qualifications of degree candidates are checked against the official record. The Records Office also maintains the official roster of students; records of academic probation, suspensions and dismissals; records of honors; and all other academic records.

**Grades** are given in a course by the instructor as recognition of certain degrees of accomplishment and are to be interpreted as follows: A-Excellent; B-Good; C-Average; P-Passing; D-Barely Passing; F-Failure; I-Incomplete (work is of passing quality but incomplete for good cause); NC-No Credit. The letter grades A,B,C,D, and F (and I) must be used in every course unless specified otherwise in the official catalog course description. (In some courses the specified grades are A,P,F, or NC. The grade NC is not used in most courses). Other symbols, assigned by the Office of Admissions and Records, are administrative and do not evaluate academic work: W-Official Withdrawal; UW-Unofficial Withdrawal (Note: For GPA calculation, UW is treated as an F grade); CW-Credit Withheld.

Many programs require different levels of attainment to remain in good standing. Check details with your advisor or Dean's office.

The grade report may be requested at the Admissions and Records Office with photo identification two regular office days after the deadline for faculty to submit grades. Students may also review their grades using Web Advisor.



## APPLICATION FOR ENROLLMENT AS AN AUDITOR

**Auditor (Special)** A person 18 years of age or older and not currently enrolled in high school may attend undergraduate courses at the University as a special auditor if the person has not been admitted to the University or is not currently enrolled at the University. Since the person is not officially enrolled at the University, she or he is not required to pay application, registration, or other fees, nor is her or his name (or the course) recorded in the Admissions or Records Office. The person receives no credit for such courses. She or he, however, is required to pay a fee equivalent to the tuition rate. A special auditor may make application to audit a course provided she or he:

- Procures the Special Auditor Form from the Records Office;
- Secures the signature of the instructor of the course;
- Takes the signed form to the Business Office and pays the prescribed special auditor's fee; and
- Presents the Business Office receipt to the instructor of the course as her or his admission to the class.

**Note:** Special auditors, since they are not admitted to or registered at the University, may not change their status from audit to credit once they have paid the special auditor fee.

**Auditors (Regular)** A student who is regularly enrolled at the University may apply to attend classes without credit as a regular auditor. The auditor's participation in class will be as restricted or as extensive as the instructor shall indicate to the student. A regular auditor may make application to audit a course provided she or he:

- Complete the Application for Enrollment As An Auditor available at the Admissions and Records Office;
- Obtain a written permission of the instructor, write "audit" in the place of "credits hours" on the advisement and registration form;
- Pay a fee equivalent to the tuition rate and registration fees;
- Obtain the signatures of her or his advisor or the department head of her or his major, and the instructor of the course(s).

A student may not change a course from "credit" to "audit" status after the first four weeks of a regular semester (or after the first week of a summer session), nor change a course from "audit" to "credit" status after the first three weeks of a regular semester (or after the first week of a summer term).

**Grade changes from Incomplete (letter grades of "I")** An "I" may be given to a student who has failed to complete a small, but important part of the course if the reasons for

the Incomplete are justified by the instructor and the dean. The appropriate incomplete form must be completed and signed by the dean before the Incomplete can be assigned to the student. The Incomplete form remains on file in the Dean's Office. To receive credit for an undergraduate course marked "I," the student must satisfactorily complete the unfinished work by the last day of classes of the following regular semester after the incomplete grade was issued. The faculty will issue a grade following normal timelines.

Should the student fail to complete the specified work to the satisfaction of the instructor, no credit will be recorded and the symbol "I" will be changed to an "F" on her or his record. No requests for time extension will be accepted.

In exception to this policy on Incomplete: (1) For those courses which do not use the "F" grade, the equivalent non-credit grade will be assigned, and (2) All grades of Incomplete must be resolved prior to certification for graduation. If a student who is applying for graduation has an unresolved Incomplete at the time that the Registrar certifies their eligibility for graduation, the "I" will be changed to an "F" or equivalent non-credit grade and used in the final GPA calculation.

**Other grade changes** Grade change requests or appeals on the basis of additional academic course work submitted after the official issuance to the Registrar of a grade for the course will not be considered. No grades other than the "I" will be changed on the student's permanent record except under the specific conditions listed below, where errors of a technical or clerical nature, problems with the instructor's grading, or problems in the recording of administrative symbols such as UW have occurred:

- When certified by the instructor and by the Registrar as a technical or clerical error; or
- When the decision reached through the completed grievance process as outlined in the Procedure for Solution of Problems of Student Academic Rights in the Student Handbook specifies that the grade is to be changed (this grievance procedure is to be used in problems between the student and the instructor concerning grading); or
- When an appeal for a grade change because of problems related to the recording of administrative symbols that are not actually grades, such as UW, in the Office of Admissions and Records is approved by the Senior Vice President of Academic and Student Affairs (the appeals procedure is used in these situations).

The official action specifying a grade change under the three conditions stated above must be submitted in writing to the Registrar who will complete the necessary revisions on the permanent record card.



**Grades for graduating students** Once final grades for graduating students have been submitted, no change may be made in the grade except in the case of a clerical error, which must be attested to in writing by the instructor with the concurrence of the Dean and approved by the Registrar.

**Grade points** Quality points (for computing averages) are assigned to grades as follows: A-4.00; B-3.00; C-2.0; D-1.00; F-0.00 points.

**Graduation with honors** Graduating seniors completing their first baccalaureate degree are recognized for academic achievement at commencement ceremonies each year. The appropriate Latin term, below, indicating the degree of achievement is inscribed on the graduate's diploma and specified in the official transcripts.

Transfer students must earn at least half the total hours required (124) at the University of Guam with letter grades in order to be eligible for honors at graduation. Courses graded Pass/Fail/No Credit will not be included in the required minimum.

- **Summa Cum Laude** 3.900 or higher cumulative grade-point average
- **Magna Cum Laude:** 3.700 to 3.899 cumulative grade-point average
- **Cum Laude:** 3.500 to 3.699 cumulative grade-point average

**Grade-point average (GPA)** A GPA is computed from the credit hours of all courses (100-level or above) for which conventional grades are reported. (The grade NC is not used in these computations.) The GPA is determined by dividing the total number of grade points by the total number of credit hours attempted for which a letter grade of A, B, C, D or F has been assigned. The GPA is calculated to three decimal places and is not rounded. GPA averages listed in these regulations are cut-off points and not measurements.

A student's cumulative grade-point standing at the University will, at any time, be based on all academic work attempted at the University of Guam and at the institution(s) from which the student transferred credit.

**Minimum grade-point average requirements** Students are required to maintain a minimum grade-point average of 2.000. (Students admitted prior to Fall 1994 must meet the minimum GPA required in their catalog.) Certain courses, such as developmental English courses, are not included in this average, as the credits are not counted toward any degree. (See Probation, suspension, dismissal for failure to maintain minimum GPA.)

The nursing program requires a minimum grade of 2.70 for program in good standing in both support and major courses.

**President's List, Dean's List** Full-time undergraduate students who are seeking their first baccalaureate degree and achieve at least a 3.500 GPA for all course work completed during an academic term are listed on the "Dean's List" of their respective colleges. In order to qualify for the "Dean's List," an undergraduate student must complete at least 12 credit hours that carry letter grades only (i.e., A,B,C,D). In order to qualify for the "President's List," an undergraduate student must complete at least 12 credit hours that carry letter grades only (i.e., A,B,C,D) and have a 4.000 grade point average for that semester. In addition, students may not have any "I" grades on their record when grades are posted for the semester.

**Regent Scholar** The undergraduate must be a full-time student and a permanent resident of Guam for five years prior to becoming a Regent Scholar. To qualify the student must have been placed on the Dean's or the President's List for two consecutive regular semesters (does not include inter-session or summer sessions). 1) A Regent Scholar who has failed to be named to the Dean's or President's list for one semester shall forfeit the award. He/she may be reinstated if placed again on the Dean's or President's list for two consecutive semesters.

A Regent Scholar may receive a partial or full waiver of tuition and fees (subject to availability of funds) in accordance with the combined grade point average for two consecutive semesters approved under the Board of Regents. Contact the Financial Aid Office for more information.

## DEVELOPMENTAL PROGRAMS

**Developmental English: EN085 and EN085L**  
The Fundamentals of English courses emphasize writing structure, grammar, reading improvement and vocabulary building. Labs for these courses reinforce materials covered in class and provide additional practice of needed skills. Placement into these courses is determined by the English Placement Test.

**Developmental Mathematics: MA085/MA084a-b, Lecture (Levels I, II)** The Fundamentals of Mathematics course is designed to provide the background necessary for advancement in mathematics and success in all disciplines. Placement into this course is determined by the Mathematics Placement Test.

**\*\*NOTE:** Placement in Developmental English and Developmental Mathematics is determined by scores on the UOG Placement Test. Students placed into this course should seek appropriate advisement when choosing other courses.



## HONORS PROGRAM

The University of Guam Honors Program provides enriched learning opportunities for academically outstanding and intellectually ambitious students. We are particularly interested in engaging the intellects and imaginations of students who enjoy reading; students who like to participate actively in small, seminar-type classes; and students who enjoy the benefits of working closely with faculty mentors to pursue independent study and research.

It is important to note that the purpose of the honors program is to enrich, not to accelerate. While honors courses are more challenging than regular courses, they do not involve a significantly greater amount of assigned work. Because the goal of honors courses is to enrich, not to replace, the regular curriculum, students are able to integrate honors with the remainder of their academic programs.

All fully matriculated undergraduate students with at least a 3.000 GPA may enroll in as many as nine (9) semester hours of honors courses (designated by an "H"). After completing 9 semester hours of honors courses, a student must apply for acceptance as an Honors Student in order to continue in the Honors program. To be accepted as an Honors Student, a student must have, at the time of application, a minimum GPA of 3.000. Once accepted as an Honors Student, the student must maintain a GPA of 3.300.

**Honors Listing on Transcript** Students who complete less than 15 semester hours of honors study will have honors courses designated on their transcript with (H) following the course number.

**Contracting for Honors Credit in Regular Courses** Students may contract for up to 9 semester hours of lower level honors credit and 3 semester hours of upper level honors credit in regular courses.

To contract for honors credit in a regular course, students must negotiate the terms of the contract with the instructor of the course and submit the properly completed form to the Registrar for approval.

### Who May Enroll in Honors

- ◆ All fully matriculated undergraduate students are eligible to apply for admissions to honors.
- ◆ All incoming freshman with a high school average of "B" or better are invited to participate in honors.
- ◆ All Merit Scholarship recipients and Dean's List Students are invited to enroll in honors courses.
- ◆ Faculty are asked to recommend students for honors and to encourage promising students to enroll in honors.

- ◆ Students qualifying for advanced placement are offered advanced placement in honors.
- ◆ Currently enrolled honors students are asked to recommend their peers and to encourage their peers to apply for admission to honors.

**Registration** Honors courses are listed in the schedule with the letter "H" following the course number. Students wishing to enroll in honors courses should see the Deans in their colleges.

## DEGREES: REQUIREMENTS AND REGULATIONS

**Residence requirement** In order to receive a baccalaureate degree from the University of Guam, a student must complete at least 32 credit hours for the degree in residence at the University of Guam. The residence requirements will not be waived under any circumstances. A student who is no longer in residence at the University of Guam may request to be graduated in absentia. In this situation, no more than 16 semester hours of the last 28 may be completed in absentia over the next two consecutive semesters only. Diplomas for those graduating in absentia are filed at the Admissions and Records Office. Graduates who wish to have their diplomas mailed to them must pay the postage applicable at the time they file the request.

**Minimum grade-point average requirement** As a condition for meeting graduation requirements of the University, students must have at least the minimum overall GPA prescribed by the particular college, which in no case is lower than 2.000, and must have at least a 2.000 (C) average or better in specific courses required for the major or a "C" or better in specific courses required for the major if their college or program so requires. (See Grades, grade changes, grade points, and grade-point averages).

A student's cumulative grade-point standing at the University will, at any time, be based on all academic work attempted at the University of Guam and at the institution(s) from which the student transferred.

**Credit hour requirement** A minimum of 124 credit hours must be completed for the baccalaureate degree and must include 40 upper-division credits. (See Transfer credit, for specific information about upper-division credits for transfer students.)

**Degree/graduation requirements** Degree requirements or graduation requirements means all courses and credits needed to graduate, including general education requirements, college requirements, university-wide requirements and major course requirements. If a second concurrent major is attempted by the student, courses acceptable for the general education requirements for the



first major may be used to satisfy requirements in the second major, but credits will not be counted twice. Students will not be allowed to participate in the University of Guam commencement ceremony if they have not been officially certified by the Registrar as completing all program and degree requirements.

**Grades for graduating students** Once final grades for graduating students have been submitted, no change may be made in the grade except in the case of a clerical error, which must be attested to in writing by the instructor with the concurrence of the Dean and approved by the Registrar.

**Graduation with honors** Graduating seniors completing their first baccalaureate degree are recognized for academic achievement at commencement ceremonies each year. The appropriate Latin term, below, indicating the degree of achievement is inscribed on the graduate's diploma and specified in the official transcripts. Transfer students must earn at least half the total hours (62) credits of the required (124) at the University of Guam with letter grades in order to be eligible for honors at graduation. Courses graded Pass/Fail/No Credit will not be included in the required minimum.

**Outstanding balance** If a student's financial obligations have not been met, the Office of Admissions and Records will not release transcripts, diploma or other official records of the student, and the student will not be permitted to register for further courses.

**Academic Evaluation** An academic evaluation considers all required courses and credit hours and determines which have been completed and which have not. After successful completion of approximately one-half (60) of the credit hours required for the baccalaureate degree, a student may request an academic evaluation at the Records Office. (For information about transfer credit, see Policies about Academic Credit Transfer)

**Application for degree (request for graduation)** An application for degree must be filed early in the semester prior to the semester in which the student plans to complete. Should the student fail to file this request for graduation at the Records Office, the necessary steps preparatory to official awarding of the degree will not be taken, and the actual awarding of the degree may be delayed. If a student fails to complete degree requirements, after having filed the application, she or he must then submit a new application and pay the graduation re-application fee.

**Program requirements (catalog in force) for graduation** Students will be allowed ten (10) calendar years of continuous enrollment, from their first enrollment at the University of Guam to the date of certification of completion of degree requirements for the major, to fulfill degree requirements of the catalog in force at the time of entrance. The student must meet all the requirements of

the catalog in force, and the ten-year time-line will be dated from the time when either of the following two situations occurs:

- ◆ A student returns after not attending the University of Guam for two consecutive regular semesters. (Summer sessions are not regular semesters.)
- ◆ A student changes majors by filing a Change of Major form or by indicating a different major on a Reentry Request form, a Request for Evaluation form, or any other form filed with the Office of Admissions and Records.

**Election to change catalog in force** (1) Students may elect to change the catalog in force from the one in force at the time of their initial admission to the one in force at the time they request such a change. The ten-year time-line will be dated from the time of the request. (2) Students who enter as undeclared majors may choose the catalog in force at the time of their initial admission to the University or the one in force at the time they declare a major. The ten-year time-line will be dated either from the time of first admission or from the time a major is declared, whichever one the student chooses.

**Substitutions of courses or major if no longer available** Students should be aware that the University of Guam does not guarantee that all courses or all programs (majors) will continue to be offered during the ten-year period permitted to fulfill graduation requirements under a given catalog. Suitable course substitutions will be made in consultation with the student's major advisor for courses fulfilling the major requirements for courses meeting general education requirements. The Course Substitution Request procedure will initiate a review and consideration in these cases. If a major no longer exists, the student (1) may select another major from the catalog in force and must complete the requirements within the time specified for that plan; or (2) may select a major from the catalog in force at the time of change, thereby establishing a new time-line.

## COURSE PREREQUISITE AND COURSE CREDIT

**English Prerequisite** Students are not permitted to enroll in 300- or 400-level courses until they have completed EN111 with a C or better. A few courses exempt from this policy are noted below. (Enrollment in a course that is not exempt will result in disenrollment from that course without refund of tuition.)

**Art:** AR303, AR305, AR306, AR308, AR310, AR311, AR320, AR384, AR405, AR406, AR407, AR408, AR409, AR420, AR421 (Studio Courses), AR390/490 (Studio Projects), AR392/492 (Studio Courses), AR393/493 (Studio Workshops), AR394/494 (Studio Special Studies).

**Languages:** JA301-302, JA401-402.



**Theatre:** TH390/490 (Performance Projects), TH392/492 (Performance Courses), TH393/493 (Performance Workshops), TH394/494 (Performance Studies).

**Math Prerequisite** Students placed into the Developmental Math Program (DMP) are not permitted to enroll in 300-400-level courses until they have completed MA085 (Level II), or MA084b. Enrollment in any 300-or 400-course by any student placed into the DMP who has not completed MA085 (Level II) or MA084b will result in disenrollment from that course without refund of tuition.

Student should contact their individual program for any additional mathematics prerequisites, since, for example, the B.A. program requires that MA 110 also be completed.

Students will be held responsible for observance of types and sequences of courses taken and other academic rules and other academic rules and regulations printed in this catalog or other supplements thereto.

**Other Course Prerequisites** Except for the University-wide policy requiring completion of EN111 and MA085, Level II, (or MA084b or higher) before enrollment in 300/400 level courses, course prerequisites are listed immediately after the course descriptions. If no prerequisite is listed, it may be assumed that no other college-level course in that area is required. It must be emphasized, however, that the student will, unless granted permission by her or his advisor, take classes within her or his particular class level (freshman, sophomore, junior, or senior). Other prerequisites are usually listed in the course descriptions. Students should check prerequisites before enrolling in a course.

### **ENROLLMENT IN LOWER-LEVEL COURSE AFTER COMPLETION OF UPPER-LEVEL COURSE**

A student may not take a lower level course after completing a more advanced level course in the same subject area without written permission from the appropriate unit/department and approval of the Dean.

**Course Waivers** The University makes special allowances to waive a course under circumstances in which a student has demonstrated satisfactorily that she or he would not materially benefit from that course because of her or his previous experiences, knowledge, and understanding in that particular subject matter. However, this does not imply that credit will be granted for the course or courses waived; it does indicate that the student granted the privilege is prepared to enroll in a more advanced course in the subject area. Waiving of a course does not reduce the number of credit hours required in a given program; consequently, students will be expected to take more advanced courses or electives (either in the same subject area or in related areas) in lieu of the courses waived in order to meet the total minimum credit requirements in a

given program. Thus, a waiver is not analogous to credit-by-examination.

The authority to grant such waivers is given to the deans of the colleges or schools in which the courses concerned are listed. The deans have made provisions for such waivers through appropriate methods of examination and evaluation of the student. The respective dean's approval for a waiver must be given in writing to the Office of Admissions and Records.

**Advanced placement in English and Math** On the basis of placement test scores and an interview with members of the English faculty appointed for this purpose, a student may be allowed to waive EN110 and may be placed directly in EN111. Advanced placement in mathematics is determined by the student's mathematics proficiency, as evaluated by the mathematics placement test administered to all incoming students or SAT or ACT scores. The mathematics department may place students at various levels depending upon an assessment of skills. Contact the Mathematics Department for higher-level placement.

**Skill Courses** For skill courses, such as art studio or music studio and applied music courses, waivers may be given based upon evidence of attained skill satisfactory to the department faculty concerned and with the approval of the Dean.

**Advanced Placement** The University of Guam recognizes the high scholastic achievement of students who successfully complete the Advanced Placement Program of the College Board Exam while in secondary school. For advanced placement within the English Program, students who document a score of 3 on the AP exam for English Language and Composition are placed in EN 110; students who document a score of 4 or 5 are placed in EN 111 as well as given credit for having taken EN110. AP Literature scores of 4 or 5 will count for EN 210 credit. Requests for AP credit must be made to the Registrar upon admission to the university.

The English Program also accepts the results of the College Level Examination Program (CLEP) Tests. For CLEP general examination in English scores reported by Educational Testing Services (ETS) as ranking in the:

- 39<sup>th</sup> to 49<sup>th</sup> percentile:** Students are placed in EN111 and given credit for having taken EN110.
- 50<sup>th</sup> percentile or above:** Students need not take Freshman Composition but are given credit for having taken EN110 and EN111.

Additionally, the English Program recognizes students who take the International Baccalaureate (IB) Language A1 exam. Students who document a score of 4 on the IB Language A1 exam are placed in EN100 (unless they take the UOG Placement Test and score higher); students who document a score of 5 are placed in EN110; and students who document a score of 6 are placed in EN111 as well as given a credit for having taken EN110.



Students who report a score of 3 on the AP Calculus AP will be placed in courses beyond that level in the University.

Students who report scores of 4 to 5 on these exams will receive advanced placement and three (3) hours of academic credit.

Scores of 3, 4 or 5 on other AP exams may be accepted for advanced placement and/or credit after negotiation with faculty of relevant disciplines. No AP credit will be considered for qualifying scores in biology, chemistry or physics unless the AP class included at least three hours of laboratory per week.

## CREDIT BY EXAMINATION

**Definition and Eligibility** Credit by examination refers to the granting of credit to a student who passes a specific, pre-determined exam for a class that she or he has not actually taken. This credit may be granted in certain cases, but only if the course is one on the credit-by-examination listing in the Registrar's office, and only if the student is eligible for earning such credit. A person is ineligible for credit by examination if she or he has previously enrolled or is currently enrolled in the course. Before applying for credit by examination any person who has not previously been enrolled at the University of Guam must have been accepted by the University, following completion of the standard Application for Admission form.

**Application Time Frame** Application for credit by examination can be made only during the first nine weeks of a regular semester or the first three weeks of each summer session.

**Form and Procedures** Students who wish to complete individual courses by taking credit-by-examination tests must begin the process by picking up Request for Credit-by-examination forms in the Records Office and by following the procedures outlined on them.

**Examination and Grade** A standard examination will be at least equal in time and intensity to a final examination in the approved course. This examination must be taken during the semester in which the person enrolls for such credit. If the exam is not taken before the end of the semester, the grade of "UW" will be assigned. The student does have the right to make application again for the same course credit by examination. Upon completion of the examination, the prescribed evaluative symbols (appropriate for the course) and quality points toward the grade point average will be recorded in the Registrar's office.

**Fees** For individual courses, the person will be charged the same tuition fees per credit hour she or he would pay if registering for the course.

## SENIORS TAKING GRADUATE COURSES

**Graduate Courses** Under certain circumstances a senior with a cumulative GPA of 3.000 or better may take certain 400G or 500-level courses for graduate credit. If the credits are counted toward a baccalaureate degree, they may not also subsequently be counted toward a graduate degree. Please note that no undergraduate student may register for or receive credit for graduate courses except according to these policies.

**Form and Procedures** The student must (1) procure and complete the Graduate Credit Request Form available from the Records Office (2) present it to the Registrar, who will certify that senior has a cumulative GPA of 3.000 or higher, and is in the semester prior to graduation; (3) obtain the signatures of her or his advisor or the department head of her or his major and the Assistant Vice President, Graduate Studies, Sponsored Programs & Research.

**Grading** will be on the same basis as that of graduate students.

**Petitioning for Credit** A student denied credit for course work completed at the university or at other accredited universities and colleges may petition the University for acceptance of such courses for credit. Petitions must be accompanied by approvals of the chairman of the department or division and the dean of the college/school in which the course is offered. Petition forms are available in the Records Office. (See Policies about Academic Credit Transfer)

## ACADEMIC PROBATION, SUSPENSION, DISMISSAL FOR FAILURE TO MAINTAIN MINIMUM GPA

**Academic Probation** If at the end of any given semester, a student fails to maintain the minimum grade-point average indicated, (2.000) or accumulates 3 or more UW's, she or he will be placed on probation. The student is allowed to continue into the next regular semester but must earn a minimum GPA of 2.000. If the student does not maintain the minimum GPA, the student will be suspended.

NOTE: The Nursing Program has specific probation, suspension, and program dismissal policies that supersede the UOG academic probation, suspension and dismissal policies for Nursing Majors only when the rules are more stringent than University rules.

**Academic Suspension** If a student fails to maintain the minimum GPA during a probationary semester (see Probation section above), she or he will be suspended. A



student placed on suspension may not enroll for one regular semester. After a lapse of one regular semester, a suspended student may enroll on a probationary status. She or he must then maintain the required minimum GPA. Failure to maintain a current minimum required GPA will result in dismissal from the University.

**Academic Dismissal** A student dismissed from the University must wait one full calendar year for readmission and must petition the University in order to be re-admitted. If her or his petition is approved, she or he will be admitted on a probationary status and must maintain a current minimum required grade-point average or she or he will be dismissed again. Students who have been dismissed a second time may not appeal for readmission until three (3) academic years have passed.

**Satisfactory or Unsatisfactory Progress** The University of Guam considers students to be making satisfactory progress when they are not on probation, suspension or dismissal. A student on probation, suspension or dismissal is considered as not making satisfactory progress.

**Retaking of Courses** A student may repeat a course at UOG to raise his/her grade only if he/she earns a grade of "D" or below in such University of Guam course. All students are urged to repeat courses (when the course is scheduled) in this situation (this is particularly important for students who are on probation). If the course is repeated, the original course attempted remains on the student's transcripts but only the last grade made in the course (except W) will be considered in determining the student's grade-point average and for transfer and graduation records.

**Leave of Absence** The University of Guam does not permit leaves of absence except as described in this section.

❖ **NOTE: STUDENTS RECEIVING FINANCIAL ASSISTANCE MUST CONSULT WITH THE FINANCIAL AID OFFICE AS ACADEMIC REQUIREMENTS FOR FINANCIAL AID ELIGIBILITY MAY DIFFER FROM INSTITUTIONAL REQUIREMENTS.**

## ACADEMIC RENEWAL

**Definition** Former University of Guam students whose academic performance resulted in their probation suspension or dismissal from the University may apply for re admission to the University with a request that their prior academic record be disregarded. If approved, such students re-enter the University with no credits attempted, no credits earned, and no quality (grade) points earned. This policy may be evoked by students only once and is applicable only to students enrolled at UOG and only for

UOG credits. Contact the Registrar's Office for information and forms.

**Time requirements and evidence of change** At least three full calendar years must have elapsed since the end of the last semester in which the applicant was enrolled. The applicant may be asked to present adequate evidence that the conditions which caused the prior poor academic performance have changed so that there is a reasonable expectation that the applicant can perform satisfactorily if permitted to resume her or his studies.

**Academic History** The prior academic record remains a part of the person's overall academic history, but none of it is carried forward as part of her or his program. That is, none of the credits earned previously can be used in the student's program after readmission under the academic renewal policy. Students showing competency in any area may be allowed advanced standing (without credit) or waiver of requirements like any other student, but will not be permitted to earn credit by examination for courses that they enrolled in prior to requesting re-entry under this policy.

## STUDENT APPEAL PROCEDURES

Students have the right to appeal decisions made in relationship to admission requirements, records, registration and academic rules. The forms for requesting an appeal are available through the Admissions & Records Office.

## COLLEGE SUCCESS SEMINAR REQUIREMENT

The College Success Seminar (ID180) is required of all new first year students to help orient them to the resources available at the University of Guam and to assist individuals in becoming successful members of the campus community. This course is intended to help students make a successful transition into university life. The College Success Seminar meets for one hour, twice a week and completion of the course earns students two credits toward graduation.

## ADVISEMENT AND DECLARATION OF MAJOR

**Academic Advisement** is mandatory for all full or part-time students, and high school advanced placement students. The signature of a designated advisor is required to complete the registration process. The following are the three categories of undergraduate students and their designated advisors:

- ◆ Transition Students: Division of English and Applied Linguistics faculty or Developmental English Staff.



- ◆ Undeclared majors who have earned less than 60 credits: Counselors or college advisors if they are undeclared in a college.
- ◆ All declared majors not covered by either of the above: Academic major advisors in the college/school, as assigned by the Dean.

As a requirement for graduation, academic evaluation must be requested from the Records Office once 60 credits or approximately one-half of the required credits for graduation have been completed. (See Degrees: requirements and regulations) Evaluations desired at any time prior to the accumulation of 60 credit hours are the responsibility of the student, in conference with the academic advisor and/or program chairperson. Should the students or their advisors discover that their records are incomplete, the Registrar will assist the advisor in bringing the academic records up-to-date.

**Declaration of Major** A student must declare a major by the beginning of the junior year (60 credits). Any student electing to remain undeclared after 60 credits will be asked to sign a release provided by the Records Office before registering for further credits.



## TUITION AND FEES

**Tuition, Fees, and Other Expenses** Tuition fees and other charges at the University of Guam are established by the Board of Regents. The charges listed in this catalog are those in effect at the time of publication and are subject to change by the Board.

**Payments:** UOG accepts cash, check, and/or credit card (MasterCard, VISA, American Express and other major credit cards.) Payments are accepted at Business Office (735-2923).

**Residency Rules** An applicant is classified as a resident or non-resident registrant for tuition purposes at the time an application and all supporting credentials have been received in the Office of Admissions. The classification is based upon information furnished by the student and from other relevant sources. A student may be classified as a resident student by providing documentation prior to the opening of the semester or term; (See Resident and Non-Resident Students).

## TUITION RATES

### FALL 2013, SPRING AND SUMMER 2014

| STATUS   | Cost Per Credit Undergraduate | Cost Per Credit Graduate |
|--|-------------------------------|--------------------------|
| RESIDENT   | \$190                         | \$258                    |
| NON-RESIDENT                                       | \$457.00                      | \$589                    |
| AUDITING or CREDIT BY EXAM: Same as other courses. |                               |                          |

### FEES

At the time of registration, all students must pay the following fees:

|                      | FALL 2013/<br>SPRING 2014 | SUMMER 2014     |
|----------------------|---------------------------|-----------------|
| Registration         | \$12.00                   | \$12.00         |
| Student Services     | \$44.00                   | \$24.00         |
| Library Services     | \$24.00                   | \$24.00         |
| Student Activities   | \$24.00                   | \$24.00         |
| Health Services      | \$12.00                   | \$12.00         |
| Athletics            | \$24.00                   | \$12.00         |
| Computer Fee         | \$24.00                   | \$24.00         |
| Field House          | \$17.00                   | \$ 8.50         |
| Internet             | \$68.00                   | \$58.00         |
| On-Line Learning fee | \$20.00                   | \$10.00         |
| <b>TOTAL:</b>        | <b>\$269.00</b>           | <b>\$208.50</b> |

Undergraduate students taking 5 credits or less will be charged 50% of the student fee found in the current catalog for the regular fall and spring semesters. Undergraduate students taking 5 credits or less during the summer term inclusive of sessions, A, B, and C, would be assessed a flat fee of \$99.25

If a student's financial obligations have not been met, the Office of Admissions and Records will not release transcripts, diploma or other official records of the student, and the student will not be permitted to register for further courses. The University will charge interest of 8.5% per annum on all debts not received by the payment deadline. Students will have to pay fees if their account is sent to a Collection Agency. Matters relating to the student's financial obligations to the University should be referred to the Bursar's Office (735-2940/3/5). The University may report students with unpaid accounts to a credit bureau and/or Department of Revenue and Taxation.

**Payment Deadline** Payment deadlines are advertised each semester and during the summer terms in the Course Schedule advertisement. Please refer to current course schedule for payment deadlines.



## CANCELLATION FEE

If you register for a class and later decide to drop or withdraw from class(es), you will be charged a cancellation fee as follows:

### FALL AND SPRING SEMESTER

|         | Before the 1st day of class | During the 1st week of class | After the 7th day of the semester |
|---------|-----------------------------|------------------------------|-----------------------------------|
| TUITION | 0%                          | 5%                           | 100%                              |
| FEES    | 0%                          | 100%                         | 100%                              |

*There is a different schedule for Saturday classes. Saturday courses must be dropped before the second meeting day.*

### SUMMER SESSION/INTERSESSION

|         | Before the 1st day of Session | The 1 <sup>st</sup> day of Session | After the 1 <sup>st</sup> day of Session |
|---------|-------------------------------|------------------------------------|--|
| TUITION | 0%                            | 5%                                 | 100%                                     |
| FEES    | 0%                            | 100%                               | 100%                                     |

*If there are multiple class start days for the summer term, the first day of class will be the first day of the first class of the summer term.*

### English Language Institute (ELI)

**Application:** A one-time application fee for full-time enrollment at ELIs \$300.00. Application fees are non-refundable.

**Registration:** ELI students pay a non-refundable registration fee of \$52.00 per term.

**UOG Fees:** University of Guam Fees are \$249 for the Fall and Spring terms and \$198.50 for the Summer term.

**Tuition:** The tuition rates for ELI are given below:

|                                  | Fall 2013 & Spring 2014 | Summer 2014 |
|----------------------------------|-------------------------|-------------|
| <b>Tuition</b>                   | \$2,800.00              | \$2,800.00  |
| <b>Fees</b>                      | \$249.00                | \$198.50    |
| <b>Total New Student:</b>        | \$3,049.00              | \$2,998.50  |
| <b>Registration Fee</b>          | \$52.00                 | \$52.00     |
| <b>Total Returning Students:</b> | \$3,101.00              | \$3,050.50  |

**Miscellaneous charges** In addition to the fees listed earlier in this section, the following charges are assessed when applicable:

### Academic Year 2013/2014

- Application fee (non-refundable) must accompany all applications. **\$49.00**
- Application fee for international student is **\$74.00**
- Change-of-schedule fee: **See "Drop/Add Fee" below**
- Copy charge: **10¢ per page**
- Check service for each check that
  - Fails to clear the bank **\$25.00**
  - Graduation fee: **\$ 44.00**
  - Graduation reapplication fee: **\$ 24.00**

Specific Laboratory and course fees are listed in the official course schedules and addenda each semester and for the intersession and summer.

**Library Fines** Charges vary.

**Loss or Damage Fee** Replacement of laboratory equipment lost or damaged is assessed on a replacement cost basis.

**Transcript Fee** The first copy is provided free to each student who has met all her/his financial obligations to the University. Additional copies may be obtained at \$5.00 per copy. Students may obtain copies of their transcripts in one hour when necessary by paying a special service charge of \$20.00 in addition to transcript fees. (Note: the service charge is assessed per request, not per transcript. For example, if a student needs three transcripts and requests one-hour service, the total charges will be \$35.00: \$15.00 for three transcripts plus the \$20.00 service charge.)

**Books and Supplies** Books and supplies are available at the University Bookstore located in the Student Center. Books and supplies must be paid for at the time of purchase. The bookstore will not accept charge accounts, but accepts VISA, MasterCard, American Express and other major credit cards.





UNIVERSITY OF  
GUAM

1952-2012

2013-2014



## GENERAL EDUCATION REQUIREMENTS

### GENERAL EDUCATION PHILOSOPHY STATEMENT

The goal of a University education is for students to learn not only how to make a living, but also how to live a productive and fulfilling life. It is the latter goal that distinguishes a University from a trade school. While courses in one's major field prepare a student for success in a chosen profession, the general education program helps prepare one for success in life.

This is the reason why baccalaureate degree students are required to complete at least 55 hours in the general education program. The goal is not merely to provide answers, but also to learn how to ask questions:

What is the purpose of life? How has the world come to be the way it is now? What can we expect in the future? What is the relationship between an individual and society, between societies within the global village? How are Pacific Island cultures different from and similar to other societies? What historic, geographic, economic and political factors contributed to those differences? How can I use technology instead of being used by it? How do scientific discoveries affect me? How can I understand the impact of world politics and economics on my life? How can I maintain my health and protect the environment? How can I communicate more effectively and bring more happiness into my life? What is beauty? How can I fulfill my creative urges? How can I help make the world a better place?

Students are provided with methods of inquiry and analysis from various disciplines within the arts and sciences and an enlarged worldview through which to study specific issues. These skills can be applied to problem-solving within personal, professional or

societal contexts. As the only American University located in the Western Pacific, the University of Guam offers exposure to American, world, and regional learning traditions while providing examples of how each of these traditions is enriched by the others.

Futurists speculate that in the next decade half the people in America will be working in professions that do not exist today. Currently, one of the greatest challenges for people in all professions is the ability to adapt to changes. A well-rounded general education program helps develop the ability to transfer skills learned in one profession to that of another.

### GENERAL EDUCATION REQUIREMENTS

Students who plan to complete a baccalaureate degree at the University of Guam are required to complete the General Education program described in the catalog. The General Education program emphasizes the common need for learning experiences, including an understanding of the fundamentals of major fields of knowledge. It provides opportunities for the individual majors and colleges to include, within the specific career programs they offer, further relevant general educational experiences. Please contact an academic advisor in the college/school of your interest.

#### NOTES ON GENERAL EDUCATION COURSES:

- (i) *Some of the courses listed below have pre-requisites.*
- (ii) *No one course may satisfy more than one general education requirement.*
- (iii) *Students are advised to check the requirements for their major before taking general education courses.*
- (iv) *The program faculty shall determine whether any course taken to satisfy general education requirements may also count toward fulfillment of major and/or minor requirements. Even though one course may be allowed to satisfy both general education and major/minor requirements, the number of credit hours will only be counted once. For further information, please contact an academic advisor.*

Students must satisfy **55 credit hours** of general education courses. These courses are chosen in consultation with an academic advisor. General education courses must be selected from each of the categories shown in Table 1.



**Table 1**  
Summary of General Education Requirements  
**GENERAL EDUCATION CATEGORY**  
**REQUIREMENTS**

| Category | Title                               | Credit Hours<br>Required |
|----------|-------------------------------------|--------------------------|
| 1.       | Essential Skills                    | 15                       |
| 2.       | The Arts and Creative<br>Expression | 6                        |
| 3.       | Global Studies                      | 3                        |
| 4.       | The Individual and Society          | 6                        |
| 5.       | Modern Language                     | 8                        |
| 6.       | Personal Development                | 3                        |
| 7.       | Regional Studies                    | 3                        |
| 8.       | The Sciences                        | 8                        |
| 9.       | The Search for Meaning              | 3                        |
|          | <b>TOTAL</b>                        | <b>55</b>                |

### 1. ESSENTIAL SKILLS 15 CREDIT HOURS

The Essential Skills category of the General Education program includes skills basic to academic success and to success in the professional world. These include the ability to clearly communicate complex thoughts and emotions through reading, writing, speaking and listening. Students also learn how to critically interpret quantitative data in mathematics courses.

To develop these skills, the following classes are required:

#### English Writing Skills 6 crs

|       |                      |
|-------|----------------------|
| EN110 | Freshman Composition |
| EN111 | Writing for Research |

#### Communication Skills 3 crs

|       |                               |
|-------|-------------------------------|
| CO210 | Fundamentals of Communication |
|-------|-------------------------------|

#### Mathematics 3 crs

Choose from any **one** of the following:

|        |                              |
|--------|------------------------------|
| MA110  | Finite Mathematics           |
| MA115  | Introductory College Algebra |
| MA161a | College Algebra              |
| MA161b | College Trigonometry         |
| MA165  | Precalculus                  |
| MA203  | Basic Calculus               |

#### Statistics/Computer Skills 3 crs

Choose from any **one** of the following:

|       |   |
|-------|---|
| CS200 | Computer Applications and Lab           |
| CS201 | Programming I                           |
| BA130 | Introduction to Computer Operations     |
| BA230 | Data Processing and Data Administration |
| MA151 | Introductory Statistics                 |

### 2. THE ARTS AND CREATIVE EXPRESSION 6 CREDIT HOURS

Study in Art, Dance, Literature, Music, or Theater provides students with the means to appreciate forms of creative human expression. Students must choose one course from the selection of English literature courses listed below, **and** one course from those listed in Art, Music, Theater or Dance.

Choose **one** course from the following:

|       |                            |
|-------|----------------------------|
| EN210 | Introduction to Literature |
|-------|----------------------------|

|       |                              |
|-------|------------------------------|
| EN213 | Literature, Myth and Culture |
| EN314 | British Literature           |
| EN323 | Literature by Women          |
| EN360 | Literary History             |

And choose **one** course from the following:

|       |                             |
|-------|-----------------------------|
| AR101 | Introduction to Art         |
| AR102 | Studio for Non-Majors       |
| MU101 | Music Fundamentals          |
| MU106 | Introduction to Music       |
| TH101 | Introduction to the Theater |

### 3. GLOBAL STUDIES 3 CREDIT HOURS

These courses introduce students to a broad perspective of the world's civilizations and provide them with a study of various aspects of human society from the past to the present. The study of change and continuity in human society over time helps students comprehend how the world has come to be the way it is now and facilitates their awareness of the importance of international views. Students must select **one** course from the following:

|          |   |
|----------|---|
| AN/SO332 | Globalization and Human Dynamics                  |
| GE201    | World Regional Geography                          |
| HI121    | World History I                                   |
| HI122    | World History II                                  |
| SW201    | Social Welfare and Development: Global Challenges |

### 4. THE INDIVIDUAL AND SOCIETY 6 CREDIT HOURS

The courses in this category provide students with an understanding of individual and collective human behavior, political and social organizations, and economic forces. In addition, the courses expose students to the rigorous qualitative and quantitative methodologies of several social sciences. Students must select **two** courses, one course from each group listed below.

Choose **one** course from the following:

|       |   |
|-------|---|
| CO106 | Introduction to Mass Communication      |
| BA110 | Principles of Economics                 |
| GE101 | Introduction to Geography               |
| PS100 | Introduction to Citizenship             |
| PS101 | Introduction to Government and Politics |

And choose **one** course from the following:

|       |                                 |
|-------|---------------------------------|
| AN101 | Introduction to Anthropology    |
| AN212 | Cultural Anthropology           |
| LN101 | Introduction to Language        |
| LN300 | Introduction to Linguistics     |
| PS202 | Government in the United States |
| PY101 | General Psychology              |
| SO101 | Introduction to Sociology       |
| SO202 | Contemporary Social Problems    |
| WG201 | Gender and Society              |

**5. MODERN LANGUAGES 8 CREDIT HOURS**

Language reflects the culture of a society. Basic cultural assumptions such as ways of thinking, perceiving, communicating, problem solving and behaving are manifested in a society's language. Through the study of a foreign language, students learn to understand different patterns of communication, gain cultural sensitivity and a global perspective.

The modern language requirement may be satisfied by demonstrating first-year language proficiency in one of four ways:

1. Pass two (2) semesters of the same language (other than English) from courses offered at UOG.
2. Transfer the equivalent of two semesters of the same language (other than English) from an accredited institution of higher learning.
3. Submit to the Dean of the College of Liberal Arts and Social Sciences proof of (a) being raised and receiving at least a primary education in a language-other-than-English environment or (b) the ability to communicate both orally and in writing in that language.
4. Request credit by examination as per the University's policy.

**6. PERSONAL DEVELOPMENT 3 CREDIT HOURS**

These courses encourage students to assume responsibility for their health and health care by having the students ask questions, seek evidence, evaluate health information, and adopt practices that lead to a healthy lifestyle. Students must choose **one** course from the following:

|       |   |
|-------|---|
| CF230 | Nutrition and Health                      |
| CF231 | Human Nutrition for Health Professionals  |
| HS200 | Health and Wellness                       |
| PY100 | Personal Adjustment                       |
| PE125 | Wilderness Sports and Adventure Education |
| PE124 | Individual Sports                         |
| PE220 | Team Sports                               |

**7. REGIONAL STUDIES 3 CREDIT HOURS**

These courses help students gain an understanding of how Pacific Island cultures are different from and similar to other societies and what historic, geographic, economic, and political factors contributed to the differences. Students must select any **one** of the following courses:

|          |   |
|----------|---|
| AN320    | People of the Pacific   |
| AN325    | Prehistory of the Pacific Basin                                 |
| AN/EN333 | Literature of Guam, Micronesia, the Pacific                     |
| AN421    | Cross-Cultural and Sociological Problems of Guam and Micronesia |

|       |   |
|-------|---|
| BI201 | Natural History of Guam                             |
| ED265 | Culture and Education on Guam                       |
| GE401 | Geography of the Pacific                            |
| HI211 | History of Guam                                     |
| HI243 | History of Micronesia                               |
| HI371 | History of East Asia to 1600 on Guam                |
| HI372 | History of East Asia since 1600                     |
| HI444 | Modern Pacific History                              |
| PS225 | State and Territorial Government                    |
| PS412 | Politics of Micronesia                              |
| PY475 | Micronesia and Mental Health                        |
| SW110 | Intro. To Community Services                        |
| SW410 | Social Welfare and Social Development in Micronesia |

**8. THE SCIENCES 8 CREDIT HOURS**

Courses in this category provide an introduction to the physical, chemical, biological, environmental, agricultural and natural sciences. Students become aware of the ways scientific discovery and technology affect knowledge about the human condition and the universe. Courses provide a three-hour lecture and a three-hour laboratory demonstrating basic principles of the sciences. Students must select any **two** introductory/basic courses that are taught concurrently with a three-hour lab from among the following:

|       |                                     |
|-------|-------------------------------------|
| AG    | Tropical Agricultural Science       |
| BI    | Biology Courses                     |
| CH    | Chemistry Courses                   |
| NS    | Natural Science Courses             |
| PH    | Physics Courses                     |
| AN222 | Biological Anthropology             |
| CF325 | Textiles (Must include lab, CF325L) |
| GE203 | Principles of Physical Geography    |

**9. SEARCH FOR MEANING 3 CREDIT HOURS**

These courses teach students how to ask questions while challenging them to question fundamental concepts such as the meaning of life and the nature of reality. Students develop an awareness of the significance of social and cultural contexts in defining themselves, their gender and their relations with one another. Students must choose one course from among the following:

|       |  |
|-------|--|
| PI    | Any Philosophy course                    |
| PS326 | Political Philosophy                     |
| WG101 | Introduction to Women and Gender Studies |



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## STUDENT ADVISEMENT SHEET GENERAL EDUCATION REQUIREMENTS 2012-2013 CATALOG

As soon as you decide on a possible major, request to be assigned to an advisor in that field of study.

1. Students are advised to check the requirements for the major before taking General Education courses;
2. No one course may satisfy more than one General Education requirement;
3. Some of the courses listed have prerequisites; and
4. The faculty of each division shall determine whether any course taken to satisfy GE requirements may also count toward fulfillment of major and/or minor requirements. Although one course may satisfy both GE requirements and major/minor requirements, the number of credits granted is only the number for the one course.

| General Education<br>Category Requirements | Cr | Course<br>Offered | GRADUATION PLANNING |                    |                    |                    | COMPLETED       |                         |
|--|----|-------------------|---------------------|--------------------|--------------------|--------------------|-----------------|-------------------------|
|  |    |                   | Sm & YR<br>Planned  | Sm & YR<br>Planned | Sm & YR<br>Planned | Sm & YR<br>Planned | Grade<br>Earned | Credit Hrs<br>Completed |

### 1. ESSENTIAL SKILLS (15 CREDIT HOURS)

#### English Writing Skills 6

|                            |   |         |  |  |  |  |  |  |
|----------------------------|---|---------|--|--|--|--|--|--|
| EN110 Freshman Composition | 3 | F/SP/DE |  |  |  |  |  |  |
| EN111 Writing for Research | 3 | F/SP/DE |  |  |  |  |  |  |
| <b>Subtotal</b>            |   |         |  |  |  |  |  |  |

#### Communication Skills 3

|                                     |   |      |  |  |  |  |  |  |
|-------------------------------------|---|------|--|--|--|--|--|--|
| CO210 Fundamentals of Communication | 3 | F/SP |  |  |  |  |  |  |
| <b>Subtotal</b>                     |   |      |  |  |  |  |  |  |

#### Mathematics 3 (Choose from any one of the following):

|                                    |   |      |  |  |  |  |  |  |
|------------------------------------|---|------|--|--|--|--|--|--|
| MA110 Finite Mathematics           | 3 | F/SP |  |  |  |  |  |  |
| MA115 Introductory College Algebra | 3 | F/SP |  |  |  |  |  |  |
| MA161a College Algebra             | 3 | F/SP |  |  |  |  |  |  |
| MA161b College Trigonometry        | 3 | F/SP |  |  |  |  |  |  |
| MA165 Precalculus                  | 5 | F/SP |  |  |  |  |  |  |
| MA203 Basic Calculus               | 5 | F/SP |  |  |  |  |  |  |
| <b>Subtotal</b>                    |   |      |  |  |  |  |  |  |

#### Statistics/Computer Skills 3 (Choose from any one of the following):

|   |   |      |  |  |  |  |  |  |
|---|---|------|--|--|--|--|--|--|
| CS200 Computer Applications and Lab         | 3 | F/SP |  |  |  |  |  |  |
| CS201 Programming I                         | 4 | F/SP |  |  |  |  |  |  |
| BA130 (IS101) Introduction to Computer      | 3 | F/SP |  |  |  |  |  |  |
| BA230 (IS201) Data Processing & Data Admin. | 3 | F/SP |  |  |  |  |  |  |
| MA151 Introductory Statistics               | 3 | F/SP |  |  |  |  |  |  |
| <b>Subtotal</b>                             |   |      |  |  |  |  |  |  |

### 2. THE ARTS AND CREATIVE EXPRESSION (6 CREDIT HOURS) Choose one course from the following:

|                                    |   |         |  |  |  |  |  |  |
|------------------------------------|---|---------|--|--|--|--|--|--|
| EN210 Introduction to Literature   | 3 | F/SP/DE |  |  |  |  |  |  |
| EN213 Literature, Myth and Culture | 3 | SP/DE   |  |  |  |  |  |  |
| EN314 British Literature           | 3 | SP      |  |  |  |  |  |  |
| EN323 Literature by Women          | 3 | F/DE    |  |  |  |  |  |  |
| EN360 Literary History             | 3 | F       |  |  |  |  |  |  |
| <b>Subtotal</b>                    |   |         |  |  |  |  |  |  |

#### And choose one course from the following: 3

|                                   |   |      |  |  |  |  |  |  |
|-----------------------------------|---|------|--|--|--|--|--|--|
| AR101 Introduction to Art         | 3 | F/SP |  |  |  |  |  |  |
| AR102 Studio for Non-Majors       | 3 | F/SP |  |  |  |  |  |  |
| MU101 Music Fundamentals          | 3 | F/SP |  |  |  |  |  |  |
| MU106 Introduction to Music       | 3 | F/SP |  |  |  |  |  |  |
| TH101 Introduction to the Theater | 3 | F/SP |  |  |  |  |  |  |
| <b>Subtotal</b>                   |   |      |  |  |  |  |  |  |

### 3. GLOBAL STUDIES (3 CREDIT HOURS) Students must select one course from the following:

|   |   |         |  |  |  |  |  |  |
|---|---|---------|--|--|--|--|--|--|
| AN/SO332 Globalization and Human Dynamics               | 3 | SP/Even |  |  |  |  |  |  |
| GE201 World Regional Geography                          | 3 | F/SP    |  |  |  |  |  |  |
| HI121 World History I                                   | 3 | F/SP    |  |  |  |  |  |  |
| HI122 World History II                                  | 3 | F/SP    |  |  |  |  |  |  |
| SW201 Social Welfare and Development: Global Challenges | 3 | F/SP    |  |  |  |  |  |  |
| <b>Subtotal</b>   |   |         |  |  |  |  |  |  |



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**4. THE INDIVIDUAL AND SOCIETY (6 CREDIT HOURS) Choose one course from the following:**

|   |   |      |  |  |  |  |  |                 |
|---|---|------|--|--|--|--|--|-----------------|
| CO106 Introduction to Mass Communication    | 3 | F    |  |  |  |  |  |                 |
| BA110 (EC211) Principles of Economics       | 3 | F/SP |  |  |  |  |  |                 |
| GE101 Introduction to Geography             | 3 | F/SP |  |  |  |  |  |                 |
| PS 100 Introduction to Citizenship          | 3 | F/SP |  |  |  |  |  |                 |
| PS101 Introduction to Government & Politics | 3 | F/SP |  |  |  |  |  |                 |
|   |   |      |  |  |  |  |  | <b>Subtotal</b> |

**And choose one course from the following: 3**

|                                       |   |      |  |  |  |  |  |                 |
|---------------------------------------|---|------|--|--|--|--|--|-----------------|
| AN101 Introduction to Anthropology    | 3 | F/SP |  |  |  |  |  |                 |
| AN212 Cultural Anthropology           | 3 | F    |  |  |  |  |  |                 |
| LN 101 Introduction to Language       | 3 | F/SP |  |  |  |  |  |                 |
| LN300 Introduction to Linguistics     | 3 | F/SP |  |  |  |  |  |                 |
| PS202 Government in the United States | 3 | F/SP |  |  |  |  |  |                 |
| PY101 General Psychology              | 3 | F/SP |  |  |  |  |  |                 |
| SO101 Introduction to Sociology       | 3 | F/SP |  |  |  |  |  |                 |
| SO202 Contemporary Social Problems    | 3 | F/SP |  |  |  |  |  |                 |
| WG201 Gender and Society              | 3 | F/DE |  |  |  |  |  |                 |
|                                       |   |      |  |  |  |  |  | <b>Subtotal</b> |

Please meet with your advisor to discuss the following:

- 1) Help you plan and schedule your course
- 2) Ensure that you are meeting your general education requirements
- 3) Discuss your plans, goals, and career ideas

**5. MODERN LANGUAGES (8 CREDIT HOURS)**

|   |  |  |  |  |  |  |  |                 |
|---|--|--|--|--|--|--|--|-----------------|
| 1. Pass (2) semesters of the same language (other than English) from courses offered at UOG.  |  |  |  |  |  |  |  |                 |
| 2. Transfer the equivalent of two semesters of the same language (other than English) from an accredited institution of higher learning.                                  |  |  |  |  |  |  |  |                 |
| 3. Submit to the Dean of the College of Liberal Arts & Social Sciences proof of (a) being raised and receiving at least a primary education or (b) other evidence fluency |  |  |  |  |  |  |  |                 |
| 4. Request credit by examination as per the University's policy.  |  |  |  |  |  |  |  |                 |
|   |  |  |  |  |  |  |  | <b>Subtotal</b> |

**6. PERSONAL DEVELOPMENT (3 CREDIT HOURS) Students must choose one course from the following:**

|   |   |         |  |  |  |  |  |                 |
|---|---|---------|--|--|--|--|--|-----------------|
| CF230 Nutrition and Health                      | 3 | F/SP    |  |  |  |  |  |                 |
| CF231 Human Nutrition for Health Professionals  | 3 | SP      |  |  |  |  |  |                 |
| HS200 Health & Wellness                         | 3 | F/SP    |  |  |  |  |  |                 |
| PY100 Personal Adjustment                       | 3 | F/SP    |  |  |  |  |  |                 |
| PE124 Individual Sports                         | 3 | F/Even  |  |  |  |  |  |                 |
| PE125 Wilderness Sports and Adventure Education | 3 | F/Odd   |  |  |  |  |  |                 |
| PE220 Team Sports                               | 3 | SP/Even |  |  |  |  |  |                 |
|   |   |         |  |  |  |  |  | <b>Subtotal</b> |

**7. REGIONAL STUDIES (3 CREDIT HOURS) Students must select any one of the following courses:**

|   |   |         |  |  |  |  |  |                 |
|---|---|---------|--|--|--|--|--|-----------------|
| AN320 People of the Pacific             | 3 | SP      |  |  |  |  |  |                 |
| AN325 Prehistory of the Pacific Basin   | 3 | F/Even  |  |  |  |  |  |                 |
| AN/EN333 Literature of Guam, Micronesia | 3 | F/Even  |  |  |  |  |  |                 |
| AN421 Cross-Cultural & Sociological Pro | 3 | F       |  |  |  |  |  |                 |
| BI201 Natural History of Guam           | 3 | F       |  |  |  |  |  |                 |
| ED265 Culture and Education on Guam     | 3 | F/SP    |  |  |  |  |  |                 |
| GE401 Geography of the Pacific          | 3 | F       |  |  |  |  |  |                 |
| HI211 History of Guam                   | 3 | F/SP    |  |  |  |  |  |                 |
| HI243 History of Micronesia             | 3 | F       |  |  |  |  |  |                 |
| HI371 History of East Asia to 1600      | 3 | F/Even  |  |  |  |  |  |                 |
| HI372 History of East Asia since 1600   | 3 | SP/Odd  |  |  |  |  |  |                 |
| HI444 Modern Pacific History from 1850  | 3 | F/Even  |  |  |  |  |  |                 |
| PS225 State and Territorial Government  | 3 | F       |  |  |  |  |  |                 |
| PS412 Politics of Micronesia            | 3 | SP/Odd  |  |  |  |  |  |                 |
| PY475 Micronesia and Mental Health      | 3 | SP/Even |  |  |  |  |  |                 |
| SW110 Introduction to Community Service | 3 | F/SP    |  |  |  |  |  |                 |
| SW410 Social Welfare and Social Develop | 3 | F       |  |  |  |  |  |                 |
|   |   |         |  |  |  |  |  | <b>Subtotal</b> |



## DESCRIPTION OF MAJORS FOR EACH COLLEGE



### COLLEGE OF LIBERAL ARTS AND SOCIAL SCIENCES

#### DEGREES

The College of Liberal Arts and Social Sciences offers baccalaureate degrees in the following programs: Anthropology, Communication (Communication Studies, Journalism, Mass Media, and Public Relations), English (Literature, Language, or Education Emphases), Fine Arts (Art, Music, Theater tracks), History, Interdisciplinary Arts and Sciences, Pacific-Asian Studies (Chamorro, East Asian or Japanese tracks), Philosophy, Political Science, Psychology, and Sociology.

Minors are offered in Anthropology, Communication, English (General or Writing), Fine Arts (Art, Music, Theater tracks), Geography, History, Pacific-Asian Studies (Chamorro, East Asian or Japanese tracks), Japanese Language, Philosophy, Political Science, Psychology, Sociology, Women and Gender Studies.

The College of Liberal Arts and Social Sciences awards Master of Arts Degrees in Art, English, and Micronesian Studies and a Master of Science Degree in Clinical Psychology.

#### HISTORY OF THE COLLEGE

The College of Liberal Arts and Social Sciences, previously the College of Arts and Sciences and before that the School of Arts and Sciences and the Division of Arts and Sciences, has been part of the University of Guam since 1962, the year the University granted the first Bachelor of Arts degree. Academic disciplines providing the core of General Education courses had been grouped in departments during the time of the Territorial College of Guam and were combined into divisions when the College of Guam became a four-year institution.

The College of Liberal Arts and Social Sciences has four divisions: The Division of Communication and Fine Arts, the Division of English and Applied Linguistics, the

Division of Humanities, and the Division of Social and Behavioral Sciences. Buildings house facilities for instructional laboratories in English, indigenous and international languages, broadcast and print journalism, anthropology, geography, and psychology. Two and three-dimensional visual arts studios, music studios, and a theater workshop and theater performing facility are in the Fine Arts Building. ISLA Center for the Arts is an art gallery supporting Fine Arts studies. Modern classrooms and office space create an academic environment for learning, research, community involvement, and university service.

#### ADMINISTRATION

The College is headed by the Dean. The Dean's Office is on the third floor of the Humanities and Social Sciences Building and serves as the central coordinating and supervisory unit for the academic, research, and service activities of the four divisions. The Dean's Office is supported by an Administrative Officer and two secretaries. Functional and coordinating support for each division is provided by the Associate Dean, faculty chairs and secretaries.

Division offices are important centers of information for students in regard to their academic programs; contact with faculty members; registration; advisement; problem-solving; information on student clubs; opportunities for internships, scholarships, and special summer activities; and other student-related activities.

Questions about any of the College's programs should be directed to:

Dean, College of Liberal Arts and Social Sciences  
U.O.G. Station  
Mangilao, GU 96923  
Tel: 735-2850 Fax: 734-3410  
Email: [jsellman@uguam.uog.edu](mailto:jsellman@uguam.uog.edu)

#### PHILOSOPHY

The College of Liberal Arts and Social Sciences includes those academic disciplines traditionally known as the liberal arts. The phrase "liberal arts" is a translation of the Latin *artes liberales* and pertains to "those arts appropriate to a free person." This is the definition and the orientation of the liberal arts at the University of Guam.

The College of Liberal Arts and Social Sciences actively contributes to the development of skills, knowledge, and values necessary to the continuing educational, professional, and economic advancement of the individual student, Guam, and the Micronesian region. This includes advancement of regional knowledge; all aspects of social and economic development; the understanding of diverse regional cultural traditions; the resolution of the social, environmental, health, and

physical problems that face the Western Pacific region; and contributing to the mastery of qualitative and scientific content knowledge and methodology. Achievement in these domains is known to enable students to be admitted to and to succeed in advanced educational opportunities and rewarding careers. In addition, key aims of the College are to provide students with a broad and interconnected education in the arts, humanities, language, literature, and the social and behavioral sciences.

## ACADEMIC MISSION

The major mission of the College of Liberal Arts and Social Sciences is instructional delivery in a variety of disciplines. The College provides more than half of the general education courses required by all of the University's baccalaureate programs. The college offers 11 different major programs, 14 minor programs, and courses which fulfill professional preparation requirements of other institutions of higher education. The College also awards Master's degrees in Art, English, Micronesian Studies, and Clinical Psychology.

Faculty of the College of Liberal Arts and Social Sciences carry out the institutional missions of research and service to the University and the region in a variety of disciplines and programs. These activities lead to original discovery and creative work contributing to the world's knowledge of Guam and the Micronesian region, and permit the inclusion of relevant, cutting-edge, regional material in the College's classroom instruction. In addition to contributing to the advancement of regional knowledge, this work allows students to be exposed to modern research methods, basic and applied, which contribute to critical thinking skills, and academic understanding and growth. For those students who wish to seek graduate degrees, undergraduate research training and experience in the College prepare them to compete effectively for graduate school admission and for success once accepted.

The College has a long tradition of sponsoring or co-sponsoring major conferences on important academic, intellectual, educational, community, and public policy issues. Examples include the Annual College Conference, the Regional Language Arts Conference, the CLASS Symposium Series, the Human Rights Film Festival, and various programs and student events.

## STUDENT ORGANIZATIONS

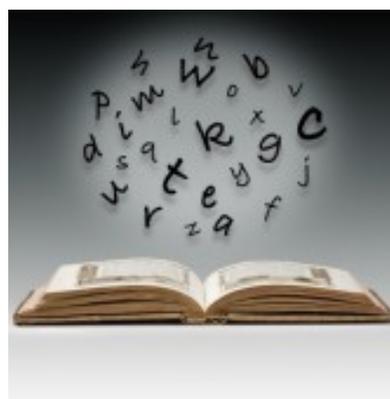
Students have opportunities for involvement in a wide variety of organizations that are sponsored by the academic disciplines in the College of Liberal Arts and Social Sciences. Some divisions sponsor college-wide activities such as band, choir, or the newspaper. Many of the major programs in the college, working with faculty advisors,

have student organizations or honorary societies, such as the following:

*The Anthropology Association* (Dr. David Atienza, faculty advisor); *The English Society* (English majors; Dr. Elizabeth Kelley Bowman, faculty advisor); *Manélon Chamorro* (Chamorro language and culture); *Association of Students for Political Awareness*; *Pi Sigma Alpha* (the National Political Science Honors Society; Dr. Mary Cruz, faculty advisor); *Psychology Club* (Psychology; Dr. Mary Fegurgur, faculty advisor); *UOG Communication Society* (Dr. Michael Griffin, faculty advisor); *Truth Seekers Philosophy*; Dr. Kim Skoog), *Alpha Psi Omega* (The National theatre Honor Society; Professor Michelle Blas, faculty advisor). Many CLASS students are also active in the **Student Government Association**.

## ADMISSIONS REQUIREMENTS

A student who plans to enroll in the College of Liberal Arts and Social Sciences should be familiar with the general requirements and procedures regarding admission to the University (see the Academic Rules and Regulations). Every student should obtain an academic advisor to assist in learning and complying with these requirements. Contact the Dean's office or advisor listed below.



## ADVISEMENT

The College of Liberal Arts and Social Sciences is responsible for the academic advisement of students who have declared a major in the academic disciplines offered by the College. Advisement is essential to the planning of appropriate and efficient student schedules. Students must consult with their program advisor and receive signatory approval before they register. A student who has completed less than 30 credit hours and who has not yet declared a major must consult the Student Counseling Office for advisement.



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Listed below is the contact information for the faculty advisement liaisons for all CLASS major and minor programs. Students should contact one of the liaisons in their declared major or minor and request assignment to an advisor in that field.

#### Communication & Fine Arts

##### •Communication

Beth Somera, Communication  
EC213B  
Tel: 735-2704 Fax: 734-3575  
Email: someralp@uguam.uog.edu

##### •Fine Arts

Michelle Blas, Theatre  
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## DEVELOPMENTAL & BRIDGING ENGLISH PROGRAMS

Placement into pre-college or college level English courses is determined by the English Placement Test, which is required of all new students. Students placed in EN085 should seek appropriate advisement when choosing other courses. Any student whose English placement test results show deficiencies in reading or writing must enroll in Fundamentals of English EN085 either prior to or concurrently with her or his enrollment in other courses at the University and is classified as a transition student. Any student who is classified as a transition student may not enroll in any courses except transition courses until satisfactorily completing EN085. Transition course lists are kept and updated by the College of Liberal Arts and Social Sciences ("CLASS"). Contact CLASS for rules and procedures for retaking the English Placement Tests

### **Developmental English: EN085 and EN085L**

These courses address the fundamentals of English, emphasizing writing structure, grammar, reading improvement and vocabulary building. Labs reinforce materials covered in class and provide additional practice of needed skills. Placement into these courses is determined by the English Placement Test. Please contact the College of Liberal Arts and Social Sciences DEAL Office for rules and procedures for retaking the English Placement Test.

### **Bridging developmental and college English: EN100**

This course is designed to prepare students for college level English and further study at the University. English reading and writing are integrated. Preparation for college composition is emphasized.

## MAJOR, MINOR AND OTHER ACADEMIC PROGRAMS

Descriptions and requirements of all undergraduate degrees and program areas offered by the College of Liberal Arts and Social Sciences appear in the pages below.

### ANTHROPOLOGY PROGRAM

Anthropology is the holistic study of humankind. The discipline is distinctive among the human sciences and humanities in that cross-cultural (comparative inter-regional or global), ecological, and evolutionary perspectives are commonly employed. The four major divisions of anthropology are archaeology, cultural anthropology, anthropological linguistics and biological (or physical) anthropology. A popular conception of anthropology is that it is the study of either ancient or

remote and exotic living people. But anthropology, in fact, is concerned with studying the cultural, social and biological configurations of all human societies, past and present.

Given Western Micronesia's geographic, historical, socio-cultural and human biological realities, Anthropology is a particularly appealing and relevant program of study at the University of Guam. The ever-changing dynamics of Guam's contemporary multi-cultural society, and the presently under-appreciated heritage (historical, cultural, linguistic, and biological) of the indigenous peoples of the Marianas and Micronesia, situate the University of Guam as an ideal setting for faculty and students to engage in anthropological (and collaborative, transdisciplinary) research. The Anthropology Teaching Laboratory (HSS110) and both microfiche and online web-based access to the Human Relations Area Files at RFK Memorial Library are some of the resources available. The program is focused on the study of culture change, and the biological and cultural history and adaptations of indigenous Pacific populations. Faculty members are presently engaged in research in archaeology, biological anthropology, cultural anthropology, cultural change, and biomedical anthropology.

Graduating students must be able to demonstrate their understandings and competence in applying the dimensions and determinants of human biological, cultural and linguistic diversity, including:

Graduating Anthropology students should successfully demonstrate the ability to:

1. Understand the current issues and debates in the subfields of anthropology;
2. Utilized the concept of cultures as a fundamental organizing concept of anthropology;
3. Articulate knowledge of the history and theories of anthropology;
4. Collect anthropological data according to generally accepted professional anthropological practices; and
5. Analyze anthropological data in both oral and written forms.

### ANTHROPOLOGY MAJOR REQUIREMENTS (Total: 43 Credit Hours)

**Required Courses** (22 credit hours): AN101, AN203, AN212, AN222, AN413, LN300, and MA385.

**Electives** (21 credit hours): Upper division Anthropology courses; 6 credit hours may be selected from the following: GE/AN341, LN460, or BI315-315L.

## ANTHROPOLOGY MINOR REQUIREMENTS (Total: 22 Credit Hours)

**Required Courses** (16 credit hours): AN101, AN203, AN212, AN222, and AN332.

**Electives** (6 credit hours): Upper division AN courses.

## COMMUNICATION PROGRAM

As an academic field, communication focuses on the process of message use and generation within as well as across various contexts, cultures, channels, and media. The study of communication focuses on its effective and ethical practice. While people are born with the physical ability to talk, communication skills have to be developed to ensure personal, academic, and professional success.

According to various projections on fastest growing careers, communication skills will be part of basic competencies in many occupations well into the next century. In addition, executives in leading companies indicate that college students need better communication skills as well as the ability to work in teams and with people from different backgrounds.

The Communication program at UOG offers a major designed to prepare professionals in journalism, mass media, public relations and other communication-related areas. The program also serves the university community with General Education and elective courses for all majors, and offers a minor which is an ideal complement for any major which requires substantial skill in interpersonal, public, or mass communication. Upon successful completion of the Communication program, the student should:

1. Be able to effectively communicate in oral and written forms for a wide variety of purposes and audiences
2. Exhibit effective interpersonal and small group communication skills in a variety of contexts
3. Demonstrate a theoretical understanding of issues relevant to functioning as an effective and ethical source and consumer of media messages
4. Apply critical thinking skills in his or her analysis of basic elements of the communication process and their impact on effective message transmission.

The Communication major consists of a 15-hours core, an 18-hour track, and 12 hours of Communication electives. The core includes foundation courses in mass media, argumentation, intercommunication, a professional internship, and a senior-level capstone

course. Students may choose one or more of these sub-cores:

**Communication Studies** requires dynamic personal involvement. Students create and test their ideas, develop individual abilities and gain competence in a variety of communication settings. They acquire knowledge and methods that apply to nearly every aspect of their private and public lives. Competence in communication is considered a generative skill that helps unlock all other learning, for a lifetime.

**Mass Media Studies** focuses on providing knowledge of the theories, processes and practices of the mass media and on the development of professional telecommunications skills in a variety of mass communication fields such as broadcasting, video production, and advertising.

**Journalism**, the most specialized of the four tracks, focuses on the news reporting and interpretation functions of mass media. Students learn reporting, writing, editing, and graphic design skills. Emphasis is placed on studying news events in the context of larger social issues and interpreting these insights for a mass audience.

**The Public Relations** track prepares students for careers which deal with the image of organizations in the public and private sectors. Students acquire both theoretical knowledge and practical training in developing messages for various groups, analyzing audiences, and designing campaigns.

All Communication majors must meet the requirements of one or more of these sub-cores/students may use their communication electives to complete a second sub-core or pattern an individualized program to meet specific career objectives. For example, a student seeking a career in broadcast journalism would choose course from both the Mass Media Studies and Journalism sub-cores. Communication faculty members can advise students in designing a personalized program.

The minor in Communication requires 21 credit hours. It is particularly suited for students majoring in Public Administration, Business, Education, Agriculture, Nursing, and English who need a strong background in communication skills for their professional work. Faculty advisors will help you tailor the minor to fit your career goals.



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## Communication Major Requirements (Total: 45 credit hours)

### Required Core Courses (15 credit hours)

| Course | Title  | Crs |
|--------|--|-----|
| CO106  | Introduction to Mass Comm.                     | 3   |
| CO250  | Argumentation                                  | 3   |
| CO310  | Intercultural Communication                    | 3   |
| CO491  | Current Issues in<br>Communication and Society | 3   |
| CO498  | Senior Internship                              | 3   |

### Required Courses for each Track (18 credit hours)

#### Communication Studies

| Course | Title                       | Crs |
|--------|-----------------------------|-----|
| CO220  | Listening Behavior          | 3   |
| CO320  | Interpersonal Communication | 3   |
| CO330  | Small Group Communication   | 3   |
| CO340  | Persuasion                  | 3   |
| CO350  | Public Speaking             | 3   |
| CO450  | Comm. Theory and Research   | 3   |

#### Mass Media Studies

| Course | Title                          | Crs |
|--------|--------------------------------|-----|
| CO226  | Reporting & Writing the News   | 3   |
| CO227  | Writing for Radio & Television | 3   |
| CO327  | Advertising in Mass Media      | 3   |
| CO236  | Broadcast Production           | 3   |
| CO336  | Broadcast Journalism           | 3   |
| CO426  | Documentary Process            | 3   |

#### Journalism

| Course | Title                          | Crs |
|--------|--------------------------------|-----|
| CO226  | Reporting and Writing the News | 3   |
| CO240  | Photo Journalism               | 3   |
| CO326  | Advanced Reporting             | 3   |
| CO336  | Broadcast Journalism           | 3   |
| CO385  | Print Media Experience         | 3   |
| CO412  | Interpretive Journalism        | 3   |

#### Public Relations

| Course | Title                          | Crs |
|--------|--------------------------------|-----|
| CO226  | Reporting and Writing the News | 3   |
| CO327  | Advertising                    | 3   |
| CO320  | Interpersonal Communication    | 3   |
| CO340  | Persuasion                     | 3   |
| CO360  | Public Relations               | 3   |
| CO370  | Organizational Communication   | 3   |

**Electives:** 12 additional hours of Communication courses.

## COMMUNICATION MINOR REQUIREMENTS (Total: 21 credit hours)

**Required Courses** (9 credit hours): CO106, CO250, and CO310.

**Electives:** 12 additional hours of the student's choice with consent of advisor. Six of these must be upper division hours. Students should consult with a Communication advisor for recommendations regarding which courses best complement their major.

## ENGLISH PROGRAM

The Division of English and Applied Linguistics offers two majors: an English Major and an English and ESL Major.

The English Major is comprised of three emphases, each sharing courses with the others while focusing on a particular field of study. These are: 1) the Literature Emphasis; 2) the English for Education Emphasis; and 3) the Language Emphasis. The Literature and English for Education Emphases require 42 credit hours beyond EN110, EN111, and either EN210 or EN213 while the Language Emphasis requires 36 credit hours beyond EN110 and EN111. The Division also offers two minors

Both the English Minor and the Writing Minor require 18 credit hours beyond EN110 and EN111.

Students planning careers as teachers of English, language arts, or ESL (English as a Second Language) should declare a double major combining English and Secondary Education or English and ESL. Such students will take a selection of English and Linguistics courses as well as a selection of Education courses, the selections reflecting the nature of the double major. The requirements for each double major are given below.

A Bachelor's degree program in English provides the student with a solid foundation in the humanities, expertise in writing, and training in analytical and critical thinking. The English major forms the intellectual basis for graduate study in English and other areas of scholarship, and it provides as well excellent preparation for professional careers in a wide variety of fields which thrive on the advantages of a liberal arts education.

To become certified to teach, students must also declare a major in Secondary Education under Option A with English as the primary content major. Students should seek advisement from both English and a Secondary Education adviser.

Upon successful completion of any of the English Program's emphases, the student will demonstrate the ability to:

- A. Understand the concepts, structures, and functions of human languages;
- B. Describe the aesthetic, rhetorical, structural, and multicultural qualities texts, as well as critical and historical approaches to those texts;
- C. Prepare, organize, and deliver effective oral presentations for a variety of purposes and audiences;
- D. Conduct substantive research using discipline-appropriate techniques, methodologies, and environments (digital or non-digital), producing or locating valid data and source materials;
- E. Write coherent, discipline-appropriate essays and research papers, documenting properly to avoid plagiarism.

## ENGLISH MAJOR REQUIREMENTS

### LITERATURE EMPHASIS

(Total: 42 Credit Hours)

Literature majors will take EN 210 or EN213 as one of their Area 2 General Education requirements.

**Required Courses:** (24 credit hours): EN225, LN300, EN311, EN314, EN317, EN318 EN461 or EN473 or EN/AN333; EN480.

**Electives** (18 credit hours, at least nine of which must be at the 400-level): any 300- or 400-level EN or LN course.

Note: Students successfully completing either ED492 Practicum in Student Teaching or ED498 Internship in Teaching may waive EN480.

### LANGUAGE EMPHASIS

(Total: 36 Credit Hours)

**Required Courses** (27 credit hours): LN101, LN300, LN350, LN385, LN400, LN401, LN460, EN210, and EN400.

**Electives** (9 credit hours): Three courses from the following, but no more than one per group:

Group 1: Any EN300- or EN400- level literature course

Group 2: EN213, 319, EN/AN333, EN470 series (1 course), or LN371

Group 3: LN440b, AN212, 320, 330, 421, CO226, 250, 310, 340, or ED444

## ENGLISH FOR EDUCATION

(Total: 42 Credit Hours)

**Required Courses:** EN225, EN312, EN314, EN318 or EN320 or EN/AN333, EN319, EN400, LN300, LN350, LN385, CO350.

**Electives:** *Group 1: Chose 6 credits or 2 courses (1 of the courses must be a 400+ level) from:* EN311, EN321, EN450, EN460, EN470, EN480. *Group 2: Choose 6 credits or 2 courses from:* LN400, LN401, LN460, LN440.

## English Minor Requirements

(Total: 18 Credit Hours)

To complete the English minor requirements students must complete 6 required credits in LN101 and either EN210 or EN213. They must also take 12 elective credit hours of EN or LN courses, at least 9 credit hours at the 300- or 400- level.

EN086, EN100, EN110, and EN111 may not be counted towards the minor in English.

## Writing Minor Requirements

(Total: 18 Credit Hours)

**Required courses (the three courses below are required of all writing minors):**

- EN311: Creative Writing
- EN316: Professional Writing
- EN319: Advanced Composition

**Electives: (9 credit hours from the following courses)**

- CS200: Computer Applications or BA130: Introduction to Computer Operations
- CO226: Reporting and Writing the News
- CO336: Writing for Broadcast Media
- CO385: Print Media Experience
- AR240: Computer Graphic Design
- AR340: Digital Imaging Technique
- LN300: Linguistics
- EN400: Rhetoric and Composition
- EN411: Advanced Creative Writing

## ENGLISH AND ESL (English as a Second Language) (Total: 48 credit hours)

**Required Courses:** (24 credit hours): LN101, EN210, LN300, LN385, LN400, EN400, LN401, and LN460.

**Electives** (12 credit hours from the following): AN212, EN213, EN319, AN320, AN/SO332, EN/AN333, AN421, ED444, one course from the EN470 series, ED280, LN350, ED480 or ED481.

Note: Students planning a teaching career should also consult a School of Education adviser about GDOE certification requirements. These require future teachers to double major in either Elementary or Secondary Education.

**PLACEMENT IN ENGLISH COURSES:** The English program at the University of Guam prepares students to read with understanding and to write with clarity. To help students acquire these skills, English faculty offer a detailed system of placement that includes placement testing, diagnostic testing, instruction, and end-of-course evaluation.

After applying for admission, all entering freshmen must take the regularly scheduled English Placement Examination prior to registration. All transfer students who have not submitted transcripts indicating that they have satisfactorily completed three (3) semester hours of Freshman Composition must take the English Placement Examination before registering. Based on their placement results, students will be enrolled in an appropriate English course. Students may not enroll in any English course other than EN 085 without taking the English Placement Examination or without submitting evidence of appropriate transfer coursework.

**END-OF-COURSE TESTING:** A student must achieve a minimum level of proficiency in reading and writing in order to complete the developmental English course successfully. To insure this, standardized examinations are administered at the end of each semester to measure the progress of students enrolled in developmental English. The grade on the standardized examination will be taken into consideration by each instructor in making decisions about course grades. Any student scoring below a minimum proficiency level, in the instructor's judgment, must repeat the course.

**GRADING POLICY:** The goal of developmental English is student success, not student failure. Thus, any student who completes the required class assignments and who attends class regularly, but whose end-of-semester test scores and class grades do not meet minimum proficiency levels, may receive a grade of NC (no credit). The NC is not a mark of failure, does not affect a student's academic

record, and has no bearing on a student's grade point average. It does indicate that the student has not yet attained those skills considered necessary to succeed in most academic areas.

**ENGLISH COURSE ENROLLMENT POLICY:** Students will be considered "restricted" students until they have passed, or placed out of, EN 085.

- Restricted students must enroll in EN 085 either prior to or concurrently with other University courses.
- Restricted students are allowed to enroll only in those courses which appear on the University's "Restricted Course List," available at the Developmental English Program (EC 2<sup>nd</sup> floor) and the Records Office.
- Students who withdraw from EN085 must simultaneously withdraw from their other courses.
- Students matriculating under the regulations found in the 1985-86 and subsequent undergraduate catalogs may not enroll in 300 and 400 level courses until after completing EN 111.

## FINE ARTS PROGRAM

The Fine Arts Department offers a program leading to a Major or Minor in Fine Arts. The Fine Arts Major allows the student to concentrate in one of the areas of the arts: Art, Music or Theater. Within each of these areas, the student gains an understanding of the concepts of appreciation and creation of an artistic product as it applies to that particular area. In all areas, the emphasis is on the creation of the work. To accomplish this, it is necessary to lay a proper foundation. Therefore, all of the areas utilize both a traditional lecture/discussion, paper/exam format, as well as a hands-on, studio, experimentation/creation process. In the Arts, both are necessary.

The most unique aspect of the program is the combining of Art, Music, and Theater into one major. While the norm is to isolate the arts into three separate areas, the Fine Arts Major at UOG encourages a continuing dialogue between artists of different disciplines. It is to the advantage of the Fine Arts student, through the 9 credit hours of Fine Arts Core courses, to be regularly and formally placed into contact with the other disciplines that make up the Fine Arts Major. This contact encourages student awareness of the creative process throughout the arts.

The program promotes growth in personal experience, artistic self-expression, and stimulates exploration of the role of the arts in society. As a result of the historical, interpretive, and creative components of the Fine Arts program, students are personally challenged to achieve proficiency in their chosen area and appreciation for the creations and presentations of other artists. The Art area also offers an advanced degree, a Master of Arts in Art.



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There are no prerequisites to enter the Fine Arts Major Tracks of Art, Music and Theater.

By the end of the Fine Arts program, students will effectively demonstrate the ability to:

1. Produce a senior project demonstrating mastery of one artistic skill using professional production values;
2. Understand the artistic languages of the performing and visual arts by recognizing common terms, techniques and methods of expression;
3. Analyze the creations and presentations of other artists with objectivity;
4. Apply coursework learning in public displays and performances;
5. Identify and evaluate the influences of fine arts in society;
6. Understand the history of one or more art, music or theatre styles;
7. Create a professional portfolio to use in job and graduate school applications;
8. Identify the interrelationship of the arts;
9. Debate the significance of particular artistic objects, works or experiences; and
10. Participate in their chosen field of artistic endeavor.

The successful student's degree will read:

Bachelor of Arts - Fine Arts/Art  
Bachelor of Arts - Fine Arts/Music  
Bachelor of Arts - Fine Arts/Theater

The minor designation will read:

-Fine Arts/Art  
-Fine Arts/Music  
-Fine Arts/Theater

This major is an "umbrella" program. There is a "core" of three courses, 9 credit hours that all Fine Arts majors will be required to take: (FA231, FA331, FA431). The student will track into one of the four areas, Art, Music, Music/Performance, or Theater.

### **Art Track Major Requirements (Total: 60 Credit Hours)**

**Required Courses** (39 credit hours): FA231, FA331, FA431, AR103, AR104, AR203, AR204, AR208, AR210, AR220, AR331, AR332 and AR205 or AR206.

**Electives** (21 credit hours): AR101, AR211, AR303, AR305, AR306, AR308, AR310, AR311, AR320, AR322, AR323, AR326, AR331, AR332, AR340, AR384, AR404, AR405, AR406, AR407, AR408, AR409, AR410, AR411, AR421, AR420, TH105, TH315, TH316.

Each student's program will be developed with an advisor from the Visual Arts Faculty. It is strongly recommended, although not required, that Art Track Majors select an area of emphasis consisting of 9-18 credit hours in any of the

studio areas: painting, sculpture/ceramics or printmaking. The Art Track Major is required to mount a Senior Exhibit.

### **Art Track Minor Requirements (Total: 27 Credit Hours)**

**Required Courses** (9 credit hours): FA231, AR101, AR103.

**Electives:** 18 credit hours of art (AR) courses of which nine credit hours must be upper division courses. Each student's program will be developed with an advisor from the Visual Arts Faculty.

### **Music Track Major Requirements (Total: 57-61 Credit Hours)**

**Required Courses** (61 credit hours): FA231, FA331, FA431, MU110, MU121, MU122, MU160, MU 161, MU170, MU171, MU260, MU261, MU310, MU311, MU315, MU321; Eight credits of MU202, six credits of MU302, and two credits of MU402; a total of 7 credits from the following list, at least 3 credits of which must be upper division: MU104, MU105, MU304, MU305. By showing proficiency, a student may place out of MU121 and/or MU122.

### **Music Track Minor Requirements (Total: 25 Credit Hours)**

**Required Courses (25 credit hours):** FA231, a total of 4 ensemble credits (MU104, MU105, MU304 and/or MU305), MU101, MU106 or MU102, MU121, MU122 (by showing proficiency, a student may place out of MU121 and/or MU122) 8 credits of MU202 or MU302. Each student's program will be developed with an advisor from the music faculty.

### **Theater Track Major Requirements (Total: 50 Credit Hours)**

**Required Courses** (40 credit hours): FA231, FA331, FA431, TH102, TH105, TH202, TH205, TH292 (must be taken four times), TH308, TH315, TH316, TH425, TH426.

**Electives** (10 credit hours): Any other Theater (TH) course AR103, AR104, AR204, AR205, AR240, AR323, CO200, CO236, EN311, EN312, EN450 (EN311, EN312, and EN450 may only be used when the topic is Drama), MU101, MU104, MU110. Other courses may be substituted for the elective requirement if the student gets approval from a Theater advisor prior to enrolling in the class. Each student's program will be developed with an advisor from the Theater Faculty.

### **Theater Track Minor Requirements (Total: 25 Credit Hours)**

**Required Courses** (17 credit hours): FA231, TH102, TH105, TH205, TH292 (must be taken two times), TH308.

**Electives** (8 credit hours): Any other Theater (TH) courses (not including TH101) or courses from the Theater Track Major Elective List. Each student's program will be developed with an advisor from the Theater Faculty.

## GEOGRAPHY MINOR

The Geography Minor Program offers students the opportunity to take a series of related courses that focus on place and use spatial perspective. Geography intersects many other disciplines, bridging the physical sciences with fields such as climatology and geomorphology, the humanities with fields such as anthropology, history, and East Asian studies, and the social sciences with fields such as sociology and political science. It also contributes to other programs such as education, tourism, allied health, business administration, resource management, city and regional planning, and economics. The Geography Minor is designed to achieve the following student learning outcomes:

1. Students will demonstrate knowledge and competence with a core set of geographic concepts, and specific knowledge relating to the geography of Guam, Micronesia and the Pacific Basin.
2. Students will develop a spatial perspective demonstrated by competence in using maps in communicating and analyzing spatial phenomena, and applying geographic methods such as Geographic Information Systems (GIS) in laboratory and field situations.
3. Students will gain an appreciation for nature or landscape and informed insights regarding the quality of a place, demonstrated by their abilities to ask better questions about places, gain deeper understanding of how we are connected to each other and our surroundings, and develop a richer affective/aesthetic appreciation of the world.
4. Students will demonstrate the abilities to incorporate a spatial perspective into their lives and careers and synthesize a wide variety of data from related disciplines on a range of topics.

### Geography Minor Requirement (Total: 22 credit hours)

**Required Courses** (13 credit hours): GE101, GE201, GE203, GE401.

**Elective Courses:** 9 upper division credits selected from any of the upper division Geography courses or from NS330 & NS330L, NS355 & NS355L, and NS/AG 380.

## HISTORY PROGRAM

The Faculty of the History program seeks to prepare students for citizenship and leadership in the community. This Faculty also seeks to develop its programs to serve community needs in the areas of social and economic development, history, culture, and social problems.

Upon completing a bachelor's degree in History, students will be expected:

1. To be knowledgeable of major historical themes, developments, and events;
2. To read, interpret, and evaluate historical evidence carefully and analytically;
3. To develop skills in conducting independent historical research, including the ability to define a historical problem, locate appropriate evidence, organize information logically, and articulate findings clearly; and
4. To express their historical analyses clearly and persuasively both in written and oral forms.

Bachelor of Arts degrees may be obtained with a major or minor in History.

The History program offers courses for either a general knowledge of the history of civilization or for a special knowledge of particular topics and limited time periods. Indispensable to the educated individual, an understanding of history embraces both the development of states and social and cultural institutions. As the story and interpretation of human experience and achievements, the study of history gives perspective to related subjects in the humanities and social sciences.

Students may major in History to gain historical knowledge, to acquire the historical method, to pursue research interests, or to prepare for a career in teaching, the professions or government service.

No additional language requirement exists for students majoring or minoring in history. Majors, however, are encouraged to complete at least two years of a relevant language.

### History Major Requirements (Total: 42 Credit Hours)

**Required Courses** (24 credit hours): HI121, HI122, HI201, HI202, HI211 or HI243; HI371, HI372, and HI444 or HI450.

**Electives** (18 credit hours): Upper division History (HI) courses, which may include PI301 or PI302.



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### History Minor Requirements (Total: 24 Credit Hours)

**Required Courses** (15 credit hours): HI121, HI122, HI444 or HI450, and either HI201 and HI202 or HI371 and HI372.

**Electives** (9 credit hours): Upper division History (HI) courses.

### INTERDISCIPLINARY ARTS AND SCIENCES PROGRAM

The Interdisciplinary Arts and Science (IAS) program offers students advanced interdisciplinary study across and beyond the fields traditionally associated with the arts and sciences. The program balances breadth and depth that focuses on positioning students to participate in workplace and civic leadership in a democratic society, to enrich their personal lives and their communities, and to appreciate and care for the natural environment. It is the goal of the program to promote lifelong learning.

The IAS program prepares students to become contributing and informed citizens in a global community. Specifically, the IAS program enhances UOG's aspiration for students to attain the knowledge, skills, and attitudes of an educated person, including the ability to think critically, to communicate effectively to identify and resolve problems reflectively, and to use information and technology responsibly; an appreciation for the creative and performing arts; and a basis for continued personal development and lifelong learning.

Within the Interdisciplinary Arts and Sciences major, students must declare an academic focus from among the following four options:

- a. Culture, Literature and the Arts
- b. Global Studies
- c. Science, Technology and the Environment
- d. Society, Ethics and Human Behavior.

All options are infused with a multicultural perspective that incorporates opportunities to study and appreciate the beliefs, values, history, and the traditions of peoples within the United States and around the world.

#### PROGRAM REQUIREMENTS

- A grade of C or better must be earned in all required Interdisciplinary Arts and Sciences course;
- A minimum of 45 credit hours of upper division course work;
- A minimum of 30 credit hours of coursework must be taken from UOG;

- No more than 12 of the 45 major credit hours may be counted toward the General Education requirements.

#### ADMISSION TO THE PROGRAM

When students are ready to apply for admissions to the program, the student will:

- Meet with the program coordinator to set up a formal interview with select program faculty;
- Submit one letter of recommendation;
- Submit an essay the topic and length shall be negotiated with the coordinator.

#### SUMMARY OF REQUIREMENTS FOR THE IAS DEGREE PROGRAM

|  |                     |
|--|---------------------|
| <b>General Education Required Courses:</b>           | <b>55</b>           |
| <b>Total Credit Hours Required within the major:</b> | <b>45</b>           |
| Upper Division Coursework in the Major:              |                     |
| Major Concentration:                                 | 21 cr hours minimum |
| Non-Major IAS Concentrations:                        | 18 cr hours         |
| (6 credits in each of three)                         |                     |
| Gateway and Capstone:                                | 6 credit hours      |
| <b>Open Electives:</b>                               | <b>24</b>           |
| <b>Minimum Credit Hours Required for Degree:</b>     | <b>124</b>          |

### INTERDISCIPLINARY ARTS AND SCIENCES MAJOR REQUIREMENTS (Total: 45 Credit Hours)

#### Major Concentrations:

Students in the IAS Program must choose one major and complete 6 credit hours in each of the remaining three concentrations. The four IAS Concentrations are:

1. Culture, Literature and the Arts
2. Global Studies
3. Science, Technology and the Environment
4. Society, Ethics and Human Behavior.

#### TOTAL CREDIT HOURS 45

#### Global Studies Concentration:

- AN320, AN/SO332, AN/HI413
- GE101, GE201, GE401
- HI121, HI122, HI201, HI202, HI211, HI243, HI306, HI371, HI372, HI406, HI409, HI420, HI444, HI450, HI474, HI476, HI480
- PI103, PI210, PI301, PI302, PI306, PI348, PI480, PI481, PI486
- PS100, PS202, PS215, PS225, PS304, PS310, PS412, PS300\*
- PY309

\*Students concentrating in this area are required to take AN/HI413 or PS300



**Culture, Art, and Literature  
Concentration:**

- AN212
- AR102
- CO310, CO320
- EN210/H, EN311\*, EN314, EN 317, EN 318, EN319\*, EN320, EN/WG323, EN400\*, EN/MI/WG461, EN480
- FA/PI331
- MU101, MU310, MU311
- TH425, TH426

\*Students concentrating in this are required to take EN311 or EN319 or EN400

**Society, Ethics, and Human Behavior  
Concentration:**

- AN/GE341, AN/20405, AN/HI413\*, AN421
- CO106, CO330
- PI101, PI102, PI481 (Topic – Ethic)
- PS100, PS101, PS326, PS300\*
- PY100, PY201, PY202, PY413\*, PY440, PY442, PY/WG455, PY475
- SO101, SO202, SO/WG230, SO342, SO360, SO445, SO455, SO480
- WG101

\*Students concentrating in this are required to take AN/HI413 or PS300 or PY413

**Science, Technology, and Environment  
Concentration:**

- AN222
- BI100(L), BI103(L), BI110(L), BI157(L), BI158(L), BI201, BI212(L), BI310, BI315(L), BI410 BI412\*
- CH100(L), CH101(L), CH102(L), CH103(L), CH311\*, CH312\*, CH330(L)\*, CH410(L)\*
- GE203, GE461, GE/SO475
- MA151, MA385
- NS101(L), NS102(L), NS110(L), NS112(L), NS230(L)
- PH210
- PI210, PI301, PI302, PI481
- PY210(L)
- SO/GE475

\*Students concentrating in this area are required to take BI412 or CH311 or CH312 or CH330(L) or CH410(L)

**Gateway and Capstone Courses (6 credit hours):**

IAS 101: Gateway to Interdisciplinary Arts & Sciences

IAS 497: IAS Capstone Course

**MODERN LANGUAGE COURSES**

Among the modern languages offered are lower division courses in Chamorro, Chinese, Chuukese, French, German, Japanese, Pohnpeian, Spanish and Tagalog. In four semesters the student can expect to achieve proficiency in reading, speaking and writing the language.

**JAPANESE LANGUAGE MINOR  
REQUIREMENTS  
(Total: 12 credit hours beyond JA101 and JA102)**

**Required Courses:** 12 credit hours from any of the following courses: JA201, JA202, JA301, JA302, JA401, and JA402.

**LINGUISTICS COURSES**

Linguistics offers students a view of how language as a human phenomenon is constructed and how it functions in society. Linguistics courses are included in the English majors and minors, and the Anthropology major.

**PACIFIC – ASIAN STUDIES  
PROGRAM**

The Pacific - Asian Studies Program offers three tracks in Chamorro Studies, East Asian Studies and Japanese Studies. Each track is built on traditional UOG strengths, and covering overlapping linguistic, economic, historical, cultural, and philosophical areas, which can be investigated in varying emphases depending upon the individual student's interests and goals. Profiting from Guam's close geographical proximity and strong socio-economic interconnections to the objects of its study, this cultural studies program enables robust studies of the languages, civilizations, and societies of Japan, China, Korea, and neighboring areas. While aiming to recognize and clarify the unique characteristics of each Pacific-Asian society, the program rests on the traditional conviction of liberal, humanistic education, that each of these regions constitutes part of the common human heritage.

The Chamorro Studies track develops students' affective capacity for an appreciation of cultural diversity, human and indigenous rights, and social and communal responsibility. Creative capabilities in the areas of oral and written literary expression will also be developed. Chamorro Studies covers an interdisciplinary range of subjects, examining knowledge pertaining to Chamorro identity and subjectivity. It draws on courses in Chamorro Language, Anthropology, Biology, Literature, Geography, History, Political Science, and Psychology. Chamorro Studies is not offered elsewhere, although BA programs in



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Pacific Islands Studies are offered at the University of Hawaii at Manoa, Hawaii Pacific University, Brigham Young University-Hawaii, and Australian National University.

The East-Asian Track offers an awareness that the purpose of a truly liberal or humanistic education is served only if we accept the peoples and civilizations of all East-Asian nations – China, Japan, and Korea – not as factors in some political or economic strategy or as a means to some immediate practical end, but because their experience in living together, what they have learned about life, and what they have come to understand about our world has now become part of the common human heritage. Students study the culture, history, literature, politics, philosophy, economy, and at least one language of East Asia.

The Japanese Studies track offers basic knowledge for understanding of and interaction with the people of Japan. The students study the language, history, politics, culture, and other aspects of Japan. This implies a special knowledge and appreciation of the relations of Japan with other countries of the Pacific basin. The students will be encouraged to attend courses taught in Japan, when possible.

The Pacific Asia Studies Program has the following program student learning objectives:

1. To develop confidence in at least one Pacific-Asian language. This includes traditional skills of listening, speaking, reading, and writing, and also familiarity with the technological mediums of internet navigation, word processing, and email.
2. To demonstrate general knowledge of the historical, cultural, political, religious, and / or political dimensions of the region, whether past or present. This includes the unique discourse methods and communication styles present in the region.
3. To develop skills for effective intercultural communication with the peoples of the region.
4. To cultivate sound analytic and reasoning skills, as applied to and derived from studies of the region.

### **CHAMORRO STUDIES TRACK MAJOR REQUIREMENTS (TOTAL: 37 Credit Hours)**

**Required Courses** (25 credit hours): CM201, CM202, CM301, CM302, HI211, CM340, CM412.

**Electives** (12 credit hours, at least 9 hours upper division): AN320, AN325, AN/HI413, AN421, BI100, BI103, BI201, EN333, EN461, GE401, HI243, HI444, HI450, PS225, PS412, PY475, or upper division CM courses.

### **CHAMORRO STUDIES MINOR REQUIREMENTS (TOTAL: 28 Credit Hours)**

**Required Courses** (22 credit hours): CM101, CM102, CM201, CM202, HI211, CM340.

**Electives** (6 credit hours): AN320, AN325, AN/HI413, AN421, BI100, BI103, BI201, EN333, EN461, GE401, HI243, HI444, HI450, PS225, PS412, P 475, or upper division CM courses.

### **EAST-ASIAN STUDIES TRACK MAJOR REQUIREMENTS (Total: 43 credit hours)**

**Required Courses** (31 credit hours): 16 credit hours in Chinese or Japanese selected from CI101, CI102, CI201, CI202, JA101, JA102, JA105, JA106, JA201, JA202; 3 credit hours selected from HI371 and HI372; 3 credit hours selected from AR322, EN470 (when the primary focus is East Asia), or 6 credit hours selected from HI474, HI476, HI480 (when the primary focus is East Asia), PI480, (when the primary focus is East Asia); PI486 (when the destination is East Asia), PS304 and 3 credit hours of BA341.

**Electives** (from 12 credit hours): selected from among the courses listed above or JA301, JA302, JA401, JA402, CO310, BA460, PI103 (when the primary focus is East Asia), or -90 series courses and transfer credits (when the primary focus is East Asia).

### **EAST-ASIAN STUDIES MINOR REQUIREMENTS (Total: 20 credit hours)**

**Required Courses** (14 credit hours): 8 credit hours in Chinese or Japanese selected from CI101, CI102, CI201, CI202, JA101, JA102, JA105, JA106, JA201, JA202; 6 credit hours selected from HI371, HI372, HI474, HI476, PI480 or PI481 (when the topic is East Asia).

**Electives** (6 credit hours) selected from the above or AR322, JA301, JA302, JA401, JA402, CO310, EN470 (when the primary focus is East Asia), HI480 (when the primary focus is East Asia), PI486, (when the destination is East Asia), BA341 BA460, PI103 (when the primary focus is East Asia), PI486 (when the destination is East Asia), PS304, or -90 series courses and transfer credits (when the primary focus is East Asia).

## JAPANESE STUDIES TRACK MAJOR REQUIREMENTS (Total: 44 Credit Hours)

**Required Courses** (32 credit hours): 20 credit hours in Japanese selected from courses numbered JA101, JA102, JA105, JA106, JA201, JA202, JA301, JA302, and JA401 and JA402; 6 credit hours in history selected from among HI371, HI372, HI474, HI478 and HI480 (when Japan or the relationship between Japan and one or more of its East Asian neighbors is the topic/problem of study); 3 credit hours in PS304 and three credit hours in Japanese culture selected from among AR322, CO310, PI103, PI480 (when Japanese Philosophy is the topic of study) PI486 (when Japan is the destination) and EN470 (when Japanese literature is the topic of study).

**Electives** (12 credit hours): Selected from among the above listed not used as required courses, transfer credits (when the primary focus is Japan) and BA341 and special courses (-90 series pertinent to Japan).

## JAPANESE STUDIES MINOR REQUIREMENTS (Total: 29 Credit Hours)

**Required Courses** (17 credit hours): 8 credit hours in Japanese; 6 credit hours in HI372 and HI474; 3 credit hours in Japanese culture selected from among those identified above in requirements for the major.

**Electives** (12 credit hours): These may be selected from among any of the courses identified as electives from the major, except that no more than 6 credit hours may be language courses.

## PHILOSOPHY PROGRAM

The philosophy program has three goals. First, the philosophy program has an obligation to inform students of the fundamental problems and central individuals that have dominated the field of philosophy for the last three millennia. Second, it attempts to develop reflective and critical thinking skills that can be applied to the aforementioned problems as well as problems generated in other areas of study. Presumably, these skills are to be carried with the student long after they leave the university, to be used as valuable reasoning skills that will assist them in future endeavors. Third, the program tries to expose students to the cultures and ways of thinking found in all parts of the world. Philosophy attempts to unearth the basic presuppositions that underlie a particular culture and then contrast them with other presuppositions inherent in different cultures. It is on this fundamental level that one can truly come to understand the unique way that

individuals in each culture approach life and attempt to address the perennial problems that life presents them.

The philosophy program learning objectives follow from the above stated goals. Upon completion of the program students will have demonstrated:

- Knowledge and understanding of the historical persons and theories of philosophy;
- Mastery of logical analysis;
- Mastery of interpreting philosophical theories and arguments.

## PHILOSOPHY MAJOR REQUIREMENTS (Total: 36 Credit Hours)

**Required Courses** (15 credit hours): PI101, 210, 301, 302 and either PI102 or PI103

**Electives** (21 credit hours); any philosophy course, of which 15 credits must be upper division.

## PHILOSOPHY MINOR REQUIREMENTS (Total: 18 Credit Hours)

**Required Courses** (12 credit hours): PI101, 210, 301, 302.

**Electives** (6 credit hours): Upper division Philosophy (PI) courses.

## POLITICAL SCIENCE PROGRAM

Political science provides education toward enlightened citizenship and statesmanship, and prepares students for careers in government and politics, law, and business, or for graduate studies in a wide range of professional areas. The general political science curriculum provides knowledge of the theory and practice of political power, authority, and justice, with focus on the United States and the Asian-Pacific region. The program also emphasizes reasoned evaluation of societal principles, analysis of political behavior, and logical expression of thought. These skills are valuable to professionals, public officials, researchers, and educators.

Upon completion of a major or double-major in political science, students will have demonstrated achievement of the following program learning objectives:

- Discuss concepts and issues central to the study of politics.
- Explain the American political system and its relationship to the Micronesian region.
- Apply theories to the study of domestic and international conflict
- Compare political systems of Asia Pacific with each other and with those of other regions.

- Design a political research project that incorporates principles of social science inquiry
- Evaluate political speech and acts for their embedded values

**Credit for AP Examinations in Political Science.** Students who report a score of 3 on the Advanced Placement U.S. Government examination will (a) fulfill prerequisite requirements of other political science courses for PS202 - Government in the United States, *and* (b) fulfill the political science major/minor requirement for PS202. Students who report scores of 4 or 5 on this exam will additionally receive three (3) hours of academic credit equivalent to one semester in PS202. Students who report a score of 4 or 5 on the AP Comparative Government examination will be considered to have met the PS101 course requirement for the political science major; however, no academic credit will be awarded.



### POLITICAL SCIENCE MAJOR REQUIREMENTS (Total: 45 Credit Hours)

**Required Courses** (33 credit hours): PS101, MA151, PS202, BA110, PS215, PS225, PS 300, PS302, PS304 or PS412, PS326, PS402 or PS420.

**Electives** (12 credit hours): Any combination of upper division (PS300 and 400-numbered) political science courses, or MA385, and/or PA402.

### POLITICAL SCIENCE MINOR REQUIREMENTS (Total: 21 Credit Hours)

**Required Courses** (12 credit hours): PS101, PS202, PS215, and PS225.

**Required Electives** (9 credit hours): Any upper division (PS300 and 400-numbered) courses.

## PSYCHOLOGY PROGRAM

As a behavioral science, and as a distinct but integral part of natural science, psychology stands between physiology and the social sciences. Psychology, like Anthropology, links the behavioral sciences with the biological sciences. The major areas of psychological study are concerned with individual human behavior conceptualized as a natural phenomenon, studied by scientific and experimental methods, and understood in terms of psychological theories and laws.

The general objectives of the program in Psychology are to increase students' understanding of themselves and others, to enhance the skills of those specializing in related areas of study, and to prepare those pursuing psychology as a career for graduate study and professional work.

The student learning objectives for the Psychology Program are articulated with those of the American Psychological Association. Graduating students will demonstrate that they have:

1. Developed a broad and deep knowledge base in Psychology;
2. Acquired and can appropriately apply knowledge of psychological research skills;
3. Acquired and can appropriately apply critical thinking skills in Psychology;
4. Developed competence in making appropriate applications of Psychology;
5. Acquired and can appropriately apply the values of Psychology;
6. Developed competence in information and technological literacy;
7. Developed competence in communication skills;
8. Acquired and can appropriately apply sociocultural and international awareness;
9. Acquired effective personal development skills;
10. Acquired knowledge and competence in career planning and development.

**Progress in the Psychology Major.** Students must receive a grade of "C" or better in any course to be credited toward completion of the Psychology major. This requirement applies only to the 37 credits counted specifically toward completion of Psychology major requirements: the five required courses, plus eight elective courses in psychology. It does not apply to General Education courses, or to generic electives.



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## PSYCHOLOGY MAJOR REQUIREMENTS (Total: 37 Credit Hours)

**Required Courses** (13 credit hours): PY101, PY210, PY210L, PY413, and MA385.

**Electives** (24 credit hours): At least 18 hours of upper division courses. Six hours of these must be 400-level Psychology courses, otherwise students may select from upper division (300, 400 level) Psychology courses or from BI157/157L and BI158/158L. The remaining six hours of electives may be selected from any non-required Psychology course.

## PSYCHOLOGY MINOR REQUIREMENTS (Total: 19 Credit Hours)

**Required Courses** (10 credit hours): PY101, 210, 210L, and MA385.

**Electives** (9 credit hours): PY courses (200, 300, 400 level) six (6) credits of which must be at the 400 levels.

## SOCIOLOGY PROGRAM

The Sociology Program Major is designed to provide students with a broad base of skills which would allow them to pursue careers in journalism, politics and government, public relations, business, criminal justice, social work and public administration. Additionally, the Sociology Major program will also provide training for those students wishing to pursue graduate degrees in Sociology and other related disciplines.

Today, the study of social relations is basic to every type of human endeavor. Government planning, human service work, economic development, personnel management, and the many other activities of our modern world require an understanding of the social system and how individuals fit into it. The program in Sociology prepares the student for further graduate study or for entrance level positions involved with the analysis, interpretation, and evaluation of human social behavior.

The general objectives of the Sociology minor are to enable a student to obtain the skills and theoretical concepts used to study individuals within social groups, the organization of groups, relations between groups, and the processes that maintain or change these social structures of familial, economic, and political life.

The learning objectives of the Sociology Program are based on those of the American Sociological Association. Graduating students must be able to demonstrate their understandings and application of:

1. The discipline of Sociology and its role in contributing to our understanding of social reality such that the student can apply the sociological imagination and Sociological principles and concepts to any social topic, including to her or his own life;
2. The role of theory in Sociology, such that the student will be able to define theory and describe its role in generating sociological knowledge, and be able to compare and contrast basic theoretical perspectives;
3. The role of empirical evidence and the application of qualitative and quantitative research methodologies in collecting data, the ability to design a research study, collect and analyze data, and present the findings in research paper format;
4. Technical skill in retrieving information and data from archival sources, the internet and other data storage formats, and the use of computers for data analysis;
5. Scientific technical writing that accurately conveys the data findings. An understanding of the issue and the ability to apply the principles of ethical practices in Sociology.

## SOCIOLOGY MAJOR REQUIREMENTS (Total: 36 Credit Hours)

**Required Courses** (15 credit hours): SO101, 202, 350, 414, and MA385.

**Electives** (21 credit hours) Twenty-one credit hours from 100, 200, 300, and 400 level courses in Sociology or program designated Sociology electives with nine (9) hours in an area of concentration. No fewer than six hours from the 400 level coursework towards completion of major requirements.

**Area of Concentration** (9 credit hours) Students must choose one (or more) areas of concentration and take no fewer than 9 hours in their area.

### Major Concentrations and Required Courses

**Gender and Family Studies:** WG101, SO/WG230, SO342, SO445, SO455 and the following courses may also satisfy the major concentration if approved by the course instructor: SO480 or SO491, or SO498

**Social Problems Studies:** AN/SO/NU/SW344, SO221, SO302, SO386, SO411, SO/AN418, AN421, PY440 and the following courses may also satisfy the major concentration if approved by the course instructor: SO480 or SO491, or SO498.

**Development Studies:** PS304, AN/SO332, GE/AN341, SO360, SO/AN405, MI520, SO/GE475



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## **SOCIOLOGY MINOR REQUIREMENTS (Total: 18 Credit Hours)**

**Required Courses** (3 credit hours): SO101

**Electives** (15 credit hours) Sociology courses (200, 300, 400 level) six (6) credit hours of which must be at least 300-400 level.

## **WOMEN AND GENDER STUDIES PROGRAM**

The Women and Gender Studies Program is an interdisciplinary minor and certificate program designed to provide students with a women-focused curriculum that full incorporates the concept of gender and is responsive to the issues, experiences, research, and discourse of women in Guam, throughout Micronesia, and across cultures.

**The program has five main objectives:**

- To offer an interdisciplinary program that will broaden understanding of the significance of gender in the lives, identities, activities, opportunities, and concerns of women in Guam, in other areas of Micronesia, and across cultures.
- To provide degree students with a women-and gender-focused curriculum that will enhance their major field or study by highlighting issues, experiences, research and discourse relevant to women locally, throughout Micronesia, and in a global context.
- To offer non-degree seeking students the opportunity to gain knowledge of women- and gender-centered teaching and research that is responsive to the needs and interests of women in the multicultural community of Guam and culturally diverse Micronesian region within a comparative framework.
- To provide professional women as well as non-professional community-based women with a series of female-oriented courses and workshops that will empower and enrich their own lives and sense of identity as well as that of their families and communities.
- To establish a research program that will investigate the needs and issues critical to women in Guam and throughout Micronesia, and which will serve to increase women's visibility locally and internationally.

Upon the completion of the WG minor students will demonstrate the ability to:

1. Understand and critique the significance of gender in the lives, identities, activities, opportunities, and concerns of women and men locally, regionally and transnationally.

2. Analyze how gendered identities intersect with race, class, and sexual orientation and how systems of inequality and oppression operate and are sustained.
3. Examine theoretical and practical connections between feminist studies and their major field of study by highlighting issues, experiences, gender research and discourses relevant to Guam, Micronesia, and the global community.
4. Engage in research mindful of the needs and issues critical to women in Guam and throughout Micronesia, which will increase regional feminist scholarship.

## **WOMEN AND GENDER STUDIES MINOR REQUIREMENTS (Total: 18 Credit Hours)**

**Required courses (6 Credit Hours):**

WG101, WG490-Capstone Course. (If the student's major field of study requires a research course and the research conducted is women-and/or gender-focused, that course may be proposed for approval by the Program Coordinator and advisor as meeting the capstone course requirement.)

**Elective Courses (12 Credit Hours):** 6 credits must be upper division and outside of the student's major field of study, selected from those in other programs cross-listed with Women and Gender Studies: WG/EN323, EN460/G (when the topic is women- or gender-focused), WG/EN461/G, SO/WG230, SO342, SO455, PY/WG455/G, PY491 (when the topic is women or gender-focused), CF430, CF450, SW480, SW345, HI450 (when topic is women and gender-focused).

## **WOMEN AND GENDER STUDIES CERTIFICATE REQUIREMENTS (TOTAL: 12 Credit Hours)**

**Required Courses (3 Credit Hours): WG101**

**Elective Courses (9 Credit Hours):** WG/EN323, EN460/G (when the topic is women or gender-focused), WG/EN461/G, SO/WG230, SO342, SO455, PY/GW455/G, PY491 (when the topic is women-or gender-focused) CF430, CF450, SW345, SW480, and courses selected from those in other programs cross-listed with Women and Gender Studies, or special workshops offered by the Program.

## COLLEGE OF NATURAL AND APPLIED SCIENCES



### MISSION AND VISION

The Mission of the College of Natural & Applied Sciences (CNAS) is to discover and share science-based knowledge that improves quality of life and learning in Guam and the Western Pacific. The College carries out the University's Land Grant Mission via instruction, research, outreach/extension and service. All four endeavors identify and respond to the needs of the multicultural communities of our islands and beyond. Under this mission the College strives:

- to deliver quality science programs that are relevant to local community, nationally competitive and recognized globally;
  - to graduate students skilled in problem-solving, critical thinking, communications, and lifelong-learning for successful careers;
  - to provide a nurturing multicultural environment for student and faculty success;
  - to foster a culture of partnership with communities in recognizing and responding to local and regional concerns;
  - to promote responsible and practical application of knowledge to our island community and Pacific region
- Vision: As the home of the USDA Land Grant programs, CNAS fosters creativity in research, innovation in teaching, and leadership in community engagement to address community needs. We strive to be the College of first choice for science-based education, research and community outreach.

### DEGREE PROGRAMS

The College of Natural and Applied Sciences offers baccalaureate degrees in the following programs: Tropical Agricultural Science, Biology, Chemistry, Computer Information Systems, Computer Science, Consumer and Family Sciences, Mathematics and Physical Education/School Health (PK-12).

In addition to the majors, the college offers minors in Biology, Chemistry, Computer Information Systems, Computer Science, Consumer and Family Sciences, Mathematics, Social Work, and Military Science. Reserve Officer Training Corps (ROTC) is administered through the College's Military Science Program. The College of Natural and Applied Sciences also offers Secondary Education Option specializations in Agriculture, Consumer and Family Sciences, and General Science. The College offers the following pre-professional programs: Pre-engineering, Pre-medical, Pre-optometry, Pre-dental, and Pre-veterinary and Pre-pharmacy.

The College of Natural and Applied Sciences awards Master of Science Degrees in Biology and Environmental Science (See Graduate Bulletin for more information).

### HISTORY OF THE COLLEGE

The College of Natural and Applied Sciences was created in 2003 by combining the former College of Agriculture and Life Sciences with the Mathematical Sciences, Natural Sciences, and Pre-professional programs from the former College of Arts and Sciences and the Military Science program from the former College of Business and Public Administration.

The College of Natural and Applied Sciences administers courses in military science and agriculture as part of the federal land grant mandate.

### ADMINISTRATION

The Dean of the College of Natural and Applied Sciences (CNAS) serves to direct and supervise the teaching, research, and extension/outreach activities of CNAS. Questions about any of the College programs should be directed to:

Dr. Lee Yudin, Dean/Director  
College of Natural and Applied Sciences  
UOG Station  
Mangilao, Guam 96923  
Tel: 735-2000 Fax: 734-6842



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Assisting the Dean in academic matters is an Associate Dean. Questions about scheduling and course offerings should be directed to:

Dr. Henry Taijeron, Associate Dean (Acting)  
College of Natural and Applied Sciences  
UOG Station  
Mangilao, Guam 96923  
Tel: 735-2000 Fax: 734-6842

Assisting the Dean in USDA research is the Associate Director of the Western Pacific Tropical Research Center. Questions about this program should be directed to:

Dr. Greg Wiecko, Associate Director (Acting)  
Western Pacific Tropical Research Center  
College of Natural and Applied Sciences  
UOG Station  
Mangilao, Guam 96923  
Tel: 735-2000 Fax: 734-6842

Assisting the Dean in Extension/Outreach is the Associate Director of the Guam Cooperative Extension Service. Questions about this program should be directed to:

Victor T. Artero, Associate Director (Acting)  
Guam Cooperative Extension Service  
College of Natural and Applied Sciences  
UOG Station  
Mangilao, Guam 96923  
Tel: 735-2000 Fax: 734-6842

## STUDENT ORGANIZATIONS

Students have opportunities for involvement in a wide variety of organizations sponsored by the academic disciplines within the College of Natural and Applied Sciences. Clubs associated with the College include: Agriculture Science Club, Biological Sciences Club, Chemistry Student Club, Consumer and Family Sciences Club, Mathematics and Computer Science Club, Physical Education and Health Club Titan Warriors, Titan Athletic Club and Social Work Club.

## ADMISSION REQUIREMENTS

A student planning to enroll in the College of Natural and Applied Sciences should be familiar with the general requirements and procedures for admission to the University (see Academic Rules and Regulations). Every student should obtain an academic advisor to assist them in learning and complying with these requirements. Refer to individual program description for specific requirements.

## ADVISEMENT

The College of Natural and Applied Sciences is responsible for the academic advisement of students who have declared a major in the College's academic disciplines, pre professional programs or military science. Advisement is essential to the planning of appropriate and efficient student schedules. A student who has not declared a major must consult the Student Counseling Office for advisement.

Listed below are the faculty advisement liaisons for all CNAS major and minor programs. Students should contact one of the liaisons in their declared major or minor and request assignment to an advisor in that field. Advisement for pre-professional courses is handled through the biology advisor.

### Agriculture

Mari Marutani  
Office: Agriculture Bldg Room 318  
Tel: 735-2131 Fax: 734-6842  
Email: marutani@uguam.uog.edu

### Biology

Frank A. Camacho  
Office: Science Bldg. Rm. 232  
Tel: 735-2835 Fax: 734-1299  
Email: fcamacho@uguam.uog.edu

Shubir Ghosh  
Office: Science Bldg. Rm. EC117  
Tel: 735-2789 Fax: 734-1299  
Email: sghosh@uguam.uog.edu

Daniel Lindstrom  
Office: Science Bldg. Rm. 232  
Tel: 735-2835 Fax: 734-1299  
Email: dlindstrom@uguam.uog.edu

Chris Lobban  
Office: Science Bldg., Rm. 109  
Tel: 735-2787 Fax: 734-1299  
Email: clobban@uguam.uog.edu

Kathy Lofdahl  
Office: Science Bldg., Rm. 107  
Tel: 735-2786 Fax: 734-1299  
Email: klofdahl@uog.edu

Kathleen A. Moots  
Office: Science Bldg., Rm. 231  
Tel: 735-2795 Fax: 734-1299  
Email: kmoots@uguam.uog.edu

Timothy L. Righetti  
Office: Science Bldg., Rm. 301  
Tel: 735-2797 Fax: 734-1299  
Email: trighetti@uguam.uog.edu

### Chemistry

Narayana Balakrishnan  
Office: Science Bldg Room SC228  
Tel: 735-2781 Fax: 734-1299/4582  
Email: nbala@uguam.uog.edu



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Naushadalli Suleman  
Office Science Bldg., Rm. SC227  
Tel: 735 2834 Fax: 734 1299  
Email: nsuleman@uguam.uog.edu

Maika Vuki  
SC 203  
Tel: 735-2784 Fax: 734- 1299  
Email: mvuki@uguam.uog.edu

#### Computer Science

Carl Swanson  
Office: HSS Bldg Room HSS225  
Tel: 735-2836 Fax: 734-4582  
Email: cswanson@uguam.uog.edu

#### Consumer & Family Sciences/Nutrition

Rachael Taitano Leon Guerrero  
Office: Agriculture Bldg Rm 113C  
Tel: 735-2026 Fax: 734-6842  
Email: rachaeltlg@guam.uog.edu

#### Mathematics

Alicia C. Aguon  
Office: Science Bldg. Room 202  
Tel: 735-2828 Fax: 734-4582  
Email: aaguon@guam.uog.edu

#### Military Science

John W. Howerton  
Office: Dorm 1, 2<sup>nd</sup> FL, Rm. 211  
Tel: 735-2541 Fax: 734-2908  
Email: jhowerton@uguam.uog.edu

Rosita T.M. Mendiola  
Office: Dorm 1, 2<sup>nd</sup> FL, Rm. 205  
Tel: 734-3150 Fax: 734-2908  
Email: rmendiola@uguam.uog.edu

#### Physical Education/ School Health (PK-12)

#### Social Work

Joliene Hasugulayag  
Dean's Circle House Number 31,  
Tel: 735-3290  
Email: jo\_h@uguam.uog.edu

Tricia Lizama  
Dean's Circle House Number 31,  
Tel: 735-3290  
Email: tlizama@uguam.uog.edu

LisaLinda Natividad  
HSS 107b  
Tel: 735-2962  
Email: lisanati@uguam.uog.edu

Gerhard Schwab  
HSS105  
Tel: 735-2961  
Email: gerhard.schwab@uguam.uog.edu

#### Masters of Science: Biology

Terry Donaldson  
Marine Lab, Room 103  
Tel: 735-2187 Fax: 734-6767  
Email: donaldsn@uguam.uog.edu

#### Masters of Science: Environmental Science

Ross Miller  
ALS218  
Tel: 735-2141 Fax: 734-4600  
Email: rmiller@uguam.uog.edu

## DEVELOPMENTAL PROGRAMS

**Developmental Mathematics: MA085/MA084a/b-Lecture (Levels I, II)** The Fundamentals of Mathematics course is designed to provide the background necessary for advancement in mathematics and success in all disciplines. Placement into this course is determined by the Mathematics Placement Test. For information and questions please contact the Mathematical Sciences Office at 735-2825.

**NOTE:** Placement in Developmental Mathematics is determined by scores on the Mathematics Placement Test. All students must take a mathematics placement test before enrolling in their first mathematics class at UOG. Students placed into MA085 or MA115 should seek appropriate advisement when choosing other courses.

## ACADEMIC PROGRAMS

Descriptions and requirements of all undergraduate degrees:

### TROPICAL AGRICULTURAL SCIENCE PROGRAM

The mission of the Tropical Agricultural Science Program (TASP) curriculum is to provide students a unique education that is science-based, effective in developing personal skills, and that prepares them for entry-level positions in government, agri-business, farm management, graduate study, and for other positions where a problem-solving approach to issues in crops, soils and the environment is needed. This curriculum will provide graduates with the education and training necessary for them to become effective agricultural professionals and leaders in Guam and the Western Pacific.

The Program offers a Bachelor of Science in Tropical Agricultural with either an Applied Emphasis or Research Emphasis. Students need to prepare for a University degree in Tropical Agricultural by taking the following courses during high school: English, Mathematics, Physics, Chemistry, and Biology.

The Research Emphasis is intended for students who wish to continue their studies at the graduate level. This course of study will provide students with the necessary background to pursue the University's Master of Science

degree in Environmental Science or any graduate agriculture or related science program in the United States or abroad. With advanced training, the student could become a scientist working in a wide variety of fields, or a professional in areas of engineering, veterinary medicine and natural resources.

The Applied Emphasis is intended to produce society-ready agricultural students in order to place them in careers immediately after graduation. The core courses will provide students with a broad foundation in agriculture, with a concentration in tropical agriculture. Career opportunities include: agriculture agent, agriculture instructor, quarantine officer, service professional working in such areas of agricultural loans in banks or government, land management, crop assessment and forecasting technician in government or private industry, farm management, livestock operation, park or hotel grounds, aquaculture business, pesticide company, farm cooperative, farm supply business, greenhouse or nursery.

## ADMISSIONS REQUIREMENT

Students who wish to enroll in the Tropical Agricultural Science Program should follow the general regulations and procedures regarding admission to the University of Guam.

## SCHOLARSHIP PROGRAMS

The Tropical Agricultural Science Program is able to offer students a number of scholarship opportunities with public and private contributions. Current programs include: USDA/CSREES CARIPAC program, Tanom Horticulture Scholarship, Tropical Agriculture and Consumer and Family Sciences Scholarship, and Resources for Involving Scientist in Education program-RISE. For details on these and other scholarship opportunities contact the University Financial Aid Office and the Dean of CNAS.

### Goals for TASP Program and its Bachelor of Science graduates.

3. Research/laboratory skills: Graduates are competent in basic laboratory procedures and safety in the laboratory and the field. Students will develop applied thinking skills to help them formulate testable hypotheses and create effective experimental designs.
4. Communication Skills: Graduates can gather and assess evidence and use it to create effective lab and scientific reports, and oral presentations. They will develop the ability to identify, summarize and effectively communicate current issues to given audiences.
5. Technological Literacy: Graduates are competent at applying technological skills to their chosen work. They are also competent in the use of analog and digital equipment used in modern agricultural systems. Graduates effectively judge the usefulness and appropriateness of existing and new technologies in their professional endeavors.
6. Professionalism: Graduates work effectively together in teams in laboratory, community and field settings while following ethical principles in analysis and communication. Graduates apply their gained knowledge in addressing natural resource and social issues.



## DEGREE REQUIREMENTS

**Bachelor of Science Degree in Tropical Agricultural Science** All Students in a Bachelor of Science curriculum are required to complete a minimum of 124 credit hours. The University and Degree Program establish the specific course requirements. The University mandates completion of College Success Seminar (1 credit) (required of all new first year students) and General Education requirements (55 credits) (GE). The Tropical Agricultural Science Degree Program requires completion of the Core (13 credits) and program Emphasis requirements. Students must earn a grade of “C” or better in the Agriculture Degree Program Core and in their chosen area of emphasis. Students must also have completed a minimum of 15 credits of upper division agriculture courses.

### I. GENERAL EDUCATION REQUIREMENTS (55 CREDITS)

Students must complete the General Education requirements listed in this catalog. Some of these courses are also program requirements; refer to completed course requirements for Bachelor of Science in Tropical Agriculture with applied and research emphasis.

### II. TROPICAL AGRICULTURAL SCIENCE PROGRAM CORE (13 CREDITS)

|          |                              |           |
|----------|------------------------------|-----------|
| AG281    | Principles of Horticulture   | 4 credits |
| AG/NS380 | Principles of Soil Science   | 4 credits |
| AG211    | Principles of Animal Science | 4 credits |
| AG491    | Seminar (one semester)       | 1 credit  |

### III. a. Applied Emphasis Requirements (60 credits)

|                                |                                 |             |
|--------------------------------|---------------------------------|-------------|
| AG136                          | Science of Aquaculture          | 4 credits   |
| AG/BI345                       | General Entomology              | 4 credits   |
| AG323                          | Plant Pathology                 | 4 credits   |
| AG101                          | Introduction to Agri Science or | 4 credits   |
| BI157/157L                     | Principles of Biology           |             |
| AG102                          | Introduction Plant Biology or   | 4 credits   |
| BI158/158L                     | Principles of Biology           |             |
| AG340                          | Pest Management                 | 4 credits   |
| AG342                          | Principles of Agriculture       |             |
|                                | Engineering                     | 4 credits   |
| CF351                          | Consumer Economics              | 3 credits   |
| AG498                          | Internship                      | 3 credits   |
| CF230                          | Nutrition and Health or         | 3 credits   |
| CF231                          | Human Nutrition for Health      |             |
| CH100/100L                     | Intro to Inorganic Chemistry or | 4 credits   |
| CH102/102L                     | General Chemistry               |             |
| CH101/101L                     | Intro to Organic Chemistry or   | 4 credits   |
| CH103/103L                     | General Chemistry               |             |
| BA110                          | Principles of Economics         | 3 credits   |
| MA151                          | Statistics                      | 3 credits   |
| MA115 & MA161A or higher       |                                 | 3+3 credits |
| Any computer operations course |                                 | 3 credits   |

### Electives (15 credits):

Students must complete an additional 15 credit hours of electives in Tropical Agricultural Science or other related

subjects (Approved by Advisor). Students need to take enough upper level courses to complete the University’s 40 upper-division credits requirement and the tropical agriculture science program requirement of 15 upper-division agriculture courses. Upper level courses are those at 300 and above.

### III. b. Research Emphasis Requirement (61 or 62 credits)

|            |                                |           |
|------------|--------------------------------|-----------|
| AG495      | Senior Thesis                  | 3 credits |
| AG/BI345   | General Entomology or          | 4 credits |
| AG323      | Plant Pathology                |           |
| BA110      | Principles of Economics        | 3 credits |
| CF230      | Nutrition and Health or        | 3 credits |
| CF231      | Human Nutrition for Health     |           |
| BI157/157L | Principles of Biology          | 4 credits |
| AG158/158L | Principles of Biology          | 4 credits |
| BI315/315L | General Genetics               | 4 credits |
| CH102/102L | General Chemistry              | 4 credits |
| CH103/103L | General Chemistry              | 4 credits |
| CH310a     | Organic Chemistry              | 3 credits |
| CH311      | Basic Lab Tech in Organic Chem | 2 credits |
| CH310b     | Organic Chemistry              | 3 credits |
| CH312      | Lab Tech in Organic Chem       | 2 credits |
| MA161a-b   | College Algebra or             | 6 credits |
| MA165      | Precalculus                    | 5 credits |
| MA203      | Calculus                       | 5 credits |
| MA151      | Statistics                     | 3 credits |
| PH251      | University Physics             | 4 credits |
| PH210      | Introductory Physics Lab       | 1 credit  |

### Electives (13 credits)

Students must complete an additional 13 credit hours of electives in Tropical Agricultural Science or other related subjects (Approved by Advisor). Students need to take enough upper level courses to complete the University’s 40 upper-division credits requirement and the tropical agriculture science program requirement of 15 upper-division agriculture courses. Upper level courses are those at 300 and above.

**Secondary Education Degree** (*See Major in Secondary Education, School of Education*); **Option specializing in Tropical Agriculture Science** Students majoring in Secondary Education with Agriculture as a teaching specialty must complete 31 credits of Agriculture courses with at least a “C” or better: AG101, AG281, AG211, AG380 and 15 credits of upper division agriculture courses.

## SPECIAL PROJECT COURSES

### Special –90 series

Courses are offered to provide students an opportunity to learn more in specific areas of Agricultural Science or to provide students with specific work experience. Registration for these Special Courses requires the approval of advisor, instructor, and Dean. Agriculture students must receive a “C” or better in all Special Project



courses. For more information refer to the catalog section titled Course Listing.

**AG390 and AG490: Special Projects (1-3 credits)**

Courses are designed for individual students, including problems, special studies, and individual research.

**AG492: Practicum (1-3 credits)**

**AG392: Laboratory Teaching Assistantship (1 credit)**

Students earn practical undergraduate laboratory teaching experience. Student must have completed the course and lab to which the student plans to register as a TA.

**AG495: Senior Thesis (1-3 credits)**

Senior Thesis is available to all agriculture students, but is required of those in the Research Emphasis curriculum. Students will be required to submit a research proposal at the beginning of their second semester of their junior year. This project will need the approval of a faculty advisor and will need to be completed by the end of their senior semester. Each credit requires one hour of advisor contact per week. Students may take up to a maximum of six credit hours.

**AG398 and AG498: Internship (1-3 credits)**

The Agriculture Internship course is available to all agriculture students, but is required of those in the Applied Emphasis curriculum. Student works in a technical or professional area under the supervision of an expert in the field. For the internship course, a "Student Contract Form" needs to be signed by the Dean, student advisor and the supervisor of the participating party such as a government agency or a private sector business engaged in activities that relate to Agriculture, Natural Resources, or Environmental Sciences. Each credit requires 3 hours of on the job training per week. Students may take up to a maximum of six credit hours.

**AG491: Seminar (1 credit) or multiple credits**

This Course is designed to familiarize the student with current agricultural research and issues. This course is intended for upper level students, others must have consent from the instructor.

**Suggested upper level electives in various agricultural related areas:**

Agricultural Business/Economics/Statistics

|       |                                  |           |
|-------|----------------------------------|-----------|
| CF351 | Consumer Economics               | 3 credits |
| AG451 | Agricultural Business Management | 3 credits |

*and Related courses from college of Professional Studies*

Crop Protection or Plant Pest Management

|          |                            |           |
|----------|----------------------------|-----------|
| AG323    | Plant Pathology            | 3 credits |
| AG324    | Plant Pathology Laboratory | 1 credit  |
| AG/BI345 | General Entomology         | 4 credits |
| AG340    | Pest Management            | 4 credits |

Plant Science (Tropical Horticulture)

|       |   |           |
|-------|---|-----------|
| AG321 | Horticultural Plant ID                    | 2 credits |
| AG484 | Tropical Vegetable Production             | 4 credits |
| AG485 | Tropical Fruits Horticulture              | 4 credits |
| AG486 | Ornamental Crop Production in the Tropics | 4 credits |

*and any upper level plant related biology course*

Soil Science and Natural Resources

|       |  |           |
|-------|--|-----------|
| AG480 | Tropical Soil Management and Fertility | 3 credits |
| AG481 | Environmental Soil Sciences            | 4 credits |

*and any upper level courses in Geology, Ecology, or Chemistry*

Agricultural Communication & Technology

|          |                                |           |
|----------|--------------------------------|-----------|
| AG/CF389 | Extension Program and Planning | 3 credits |
| AG/PA401 | Community Planning             | 3 credits |
| AG/BI430 | Scientific Digital Photography | 3credits  |

**BIOLOGY PROGRAM**

The Undergraduate Biology Program serves both majors and non-majors students. The Program prepares majors to graduate with the knowledge, skills, and values that will enable them to succeed in biological jobs, to enter graduate, medical, or other professional schools, and to contribute to their communities. Course goals reinforce and expand General Education goals, especially for Essential Skills (communication and quantitative skills) and Regional Studies. Biology majors have opportunities for undergraduate research experiences through laboratory classes, work as lab technicians, independent study projects, and guided original research. For non-majors, the Program provides courses for Nursing, Agriculture, and HPERD, assists the Education Program in training science teachers, and enables students to meet The Sciences goals of General Education. In support of its mission, the Biology unit encourages faculty capacity building in teaching-learning, assessment, research, and service. Mentoring assists students and faculty to achieve their potential.

**BS Biology goals include the following:**

1. *Disciplinary knowledge and skills:* Graduates use their knowledge and understanding of essential concepts to solve problems in ecology, genetics, molecular biology, systematics, and evolution. They can apply their biology knowledge and skills to locally important issues such as island biogeography, conservation, and endangered species problems. They apply relevant concepts from chemistry and physics to biology problems.



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2. *Quantitative skills:* Graduates apply numerical methods in research design, and use computers for analysis manipulating and modeling biological data.
3. *Research/laboratory skills:* Graduates are competent in basic biology procedures and safety in the laboratory and the field; they formulate testable hypotheses and create effective experimental designs using their knowledge, understanding, and practical experience of scientific instruments.
4. *Communication skills:* Graduates use scientific literature and diagrams as a source of information, properly cite sources and avoid plagiarism, and create text and graphics to communicate results effectively through print and oral presentations. They collect and assess evidence and use it to create effective arguments in writing scientific reports and proposals.
5. *Digital Literacy:* Graduates use and process information in multiple formats via computer. Graduates are competent in the following computer skills as related to their science work: desktop competencies, word processing, presentation, and data retrieval and manipulation. Graduates effectively judge the usefulness and accuracy of external sources of information.
6. *Professionalism:* Graduates work effectively together in teams in a laboratory and field settings and follow ethical principles underlying scientific research and publication. Graduates understand and apply the values and limitations of scientific research in addressing public policy issues.

### **BIOLOGY MAJOR REQUIREMENTS (Total: 86 Credit Hours)**

The program begins with students taking in their first year BI100-100L (Environmental Biology lecture & lab) in Fall followed by BI157-157L (Principles of Biology I lecture & lab in Spring. In Fall of the second year students take BI158-158L (Principles of Biology II lecture & lab) along with BI315-315L (Genetics lecture & lab). Students considering majoring in Biology should meet with biology faculty for advising as early as possible in their college years. Biology majors must have a "C" or better in all courses required for the major.

**Required Courses** (40 credit hours): BI100-100L; BI157-157L; BI158-158L; BI310; BI315-315L; any one organismal course lecture and lab pair (BI 225-225L or BI 302-302L or BI 303-303L or BI 333-333L or BI 365-365L); BI 320, BI321, BI410, BI 412-412L, and BI 416-416L.

**Electives:** Minimum of Twelve (12) credit hours in upper division Biosciences.

**Related Area Required Courses** (30-36 credit hours): CH102-102L, CH103-103L, CH310a-b, CH311, CH312, MA203, PH210, PH211, PH251 and PH252 or their equivalents.

### **BIOLOGY MINOR REQUIREMENTS (Total: 30 Credit Hours)**

**Required Courses:** BI157-157L, BI158-158L, BI302-302L, BI303-303L, CH102-102L, CH103-CH103L and either MA161a-b or MA151 and 161a, or their equivalents.

### **CHEMISTRY PROGRAM**

The chemistry major and minor programs are designed to prepare students for: (1) graduate work in chemistry; (2) admission to medical, dental, pharmacy and veterinary schools; (3) employment in laboratory oriented positions in government and industry; and (4) teaching secondary school chemistry, provided teaching certification requirements of the School of Education are fulfilled. The chemistry program also provides course offerings in chemistry required by major programs in agriculture, biology, engineering, nursing and other health-related sciences. Chemistry Majors must have a "C" or better in all courses required of the major."

It is recommended that chemistry majors planning to pursue graduate work in chemistry complete one year of a modern language, (French, German or Russian). Courses in applied mathematics and computer science and as many upper division courses in chemistry and physics as the student's schedule will permit are also highly recommended.

It is very important for new and transfer students who elect chemistry as a major to contact the chemistry major program advisor for advisement immediately after declaring this major.

#### **BS Chemistry goals/objectives include the following:**

1. GOAL 1: Demonstrate the knowledge of fundamental concepts of chemistry and its relevance to the scientific method and other fields in science with the following objectives:
  - a. Students should be able to explain the scientific method and relate its application to chemical discoveries.
  - b. Students will be able to define the states and structure of matter and relate these to physical and chemical properties.
  - c. Students should be able to define chemistry and state its relevance to other sciences and everyday experience.



- 
- d. Students should be able to apply the fundamental concepts of elements and compounds and their reactivity to solve chemically based problems.
2. GOAL 2: Demonstrate the skills to make observations, experimentation, collect and collate data, analyze and interpret data in a safe chemical environment with the following objectives:
- Students will be able to independently perform accurate quantitative measurements, interpret experimental results, perform calculations on these results and draw a reasonable, accurate conclusion.
  - Students will synthesize, isolate, purify and characterize a series of compounds using modern methods.
  - Students will demonstrate knowledge of proper use of modern instrumental techniques.
  - Students will be able to design an experimental procedure.
  - Students will observe safe practices in the laboratory and will know how to respond in an emergency. Students will learn to gather hazardous materials information and will recognize and respond properly to potential hazards of handling chemicals and chemical waste.
3. GOAL 3: Demonstrate the ability to clearly articulate, formulate, and communicate scientific information using computer, written and oral communication skills with the following objectives:
- Students will communicate critical analysis of scientific information through written reports and laboratory notebooks.
  - Students will effectively communicate scientific information through oral presentations.
  - Students will use computer technology to gather, process, analyze, and present chemical data.
  - Students will use chemical literature and computer resources to gather research information
4. GOAL 4: Demonstrate critical thinking, problem solving skills and the ability to use chemical knowledge and mathematical skills to identify, evaluate, analyze, synthesize, and integrate data and abstract ideas in solving problems with the following objectives:
- Students should be able to describe the structure & composition of matter.
  - Students should be able to solve qualitative & quantitative problems.
  - Students should be able to apply theoretical and mechanistic principles to the study of chemical systems using quantitative and qualitative approaches.
  - Students should be able to explain the role of energy in determining the structure and reactivity of matter.
  - Students should be able to apply theoretical knowledge and chemical information to industry and everyday experience.
5. GOAL 5: Demonstrate the knowledge and skills in advanced instrumentation, applications, interpretation, and experimental design to address scientific queries in chemistry, industry, the environment, health, and related fields with the following objectives:
- Students should be able to use modern analytical instrumentations.
  - Students should be able to interpret data and relate these to chemical structure and properties.
  - Students should be able to relate the application of instrumentation to industries.
  - Students should be able to develop an appreciation of the wide range of instrumental methods, their applications, and limitations.
6. GOAL 6: Demonstrate a sense of exploration and research approach that enables students to pursue lifelong learning in chemistry with the following objectives:
- Students will use chemical literature and computer resources to gather research information.
  - Students should be able to critically evaluate scientific information.
  - Students should be able to develop research project & design experimental approach.
7. GOAL 7: Demonstrate interaction skills and teamwork with the following objectives:
- Students should be able to work cooperatively in problem solving exercise.
  - Students should be able to exercise leadership skills in teamwork.
  - Students should demonstrate adequate interpersonal communication skills.



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## CHEMISTRY MAJOR REQUIREMENTS (Total: 62 Credit Hours)

**Required Courses** (57 credit hours): CH102-102L, CH103-103L, CH310a-b, CH311, CH312, CH330-330L, CH450a-b, CH451, CH491 and MA203, MA204, MA205 and PH210, PH211, PH251, and PH252.

**Electives** (5 credit hours): Upper division Chemistry (CH) courses or program approved Physics (PH) courses.

## CHEMISTRY MINOR REQUIREMENTS (Total: 34 Credit Hours) Required

**Courses** (30 credit hours): CH102-102L, CH103-103L, CH310a-b, CH311, CH312, CH330-330L and CH491, and MA161a-b.

**Electives** (4 credit hours): Any upper division course(s) in Chemistry (CH).

## COMPUTER INFORMATION SYSTEMS PROGRAM

The Computer Information Systems major is designed to 1) familiarize programmers with business-oriented programming; 2) educate future software engineers in commercial software development; 3) provide students with the analytical tools required for information systems; and 4) prepare students for graduate programs in information systems. Majors must have a “C” or better in all courses required of the major.

## COMPUTER INFORMATION SYSTEM REQUIREMENTS (Total: 73-74 Credit Hours)

Admission requirements: All students intending to declare themselves computer information systems majors must:

- Complete CS201 or a similar first-semester programming class, or higher, with a grade of “C” or better.
- Complete MA161A – College Algebra and Trigonometry, or a higher-level mathematics course, with a grade of “C” or better.
- Have a cumulative GPA of at least 2.0 prior to entry into the program.

**Required Courses** (42 credit hours): CS200 (or equivalent), CS201, CS202, BA110, CS305, CS315, BA240, CS360, CS365, CS303, CS403, CS425, and CS431.

**Required Support Course** (16-17 credit hours): MA151, MA203, MA385, and either MA165 or both MA161a and MA161b.

**Elective courses** (15 credit hours): Choose 15 credit hours from among the following courses: BA200, BA201, BA110, BA210, LW442, BA320, BA441.

The CIS minor program is intended to provide students majoring in other discipline a broad coverage of information systems.

## COMPUTER INFORMATION SYSTEMS MINOR REQUIREMENTS (Total: 47 Credit Hours)

**Required Courses** (47 credit hours): CS200, CS201, CS202, BA110, CS202, CS305, CS315, BA240, CS303, CS403, CS425, MA151, MA161a, BA200, BA201, and BA320.

## COMPUTER SCIENCE PROGRAM

The Computer Science major program is designed to provide students professional preparation in 1) program applications and analysis, 2) systems analysis and management, and 3) systems architecture and networking. It also prepares students for graduate work in computer science. Majors must have a “C” or better in all courses required of the major.

Admission Requirements: All students intending to declare themselves computer science majors must:

- Complete CS201 or a similar first-semester programming class, or higher, with a grade of “C” or better.
- Complete MA161A – College Algebra and Trigonometry Part I, or a higher-level mathematics course, with a grade of “C” or better.
- Have a cumulative GPA of at least 2.0 prior to entry into the program. Once admitted into the program, new students should see the mathematics division secretary to be assigned a CS advisor.

**BS Computer Science/Computer Information Systems goals include the following: (CS/CIS majors must receive a “C” or better in all courses required of this major.)**

**CS/CIS PR-1:** (GE) Demonstrate competence with **Windows** and basic **MS Office** applications especially MS WORD, EXCEL, and PowerPoint.

**CS/CIS PR-2:** Demonstrate **technical competence\*** in **Programming:**

- Analyze problems and create algorithm/heuristic solutions.

- Develop these using computer-programming methodologies in several programming languages.

**CS/CIS PR-3:** Demonstrate technical competence in **Systems.**

- Identify and analyze system requirements, criteria and specifications.
- Design and implement human sensitive/compatible computer based systems using appropriate tools, methods and techniques.
- Effectively manage, organize, and retrieve all forms of information.
- Evaluate system design solutions and their risks.

**CS/CIS PR-4:** Demonstrate technical competence in **Databases.**

- Be able to design and implement a functional database.

**CS/CIS PR-5:** Demonstrate technical competence in **Networks.**

- Be able to design, install, administer, and maintain a computer network.
- Be able to setup, install, and use two different operating systems and be able to program client-server applications for them.

**CS/CIS PR-6:** Develop and ethically utilize these technical skills to construct systems.

\***Technical Competence** means to be able to design, implement (build/code, test, debug), communicate effectively (in written, oral, and numerical forms), individually, and as part of a team.

**COMPUTER SCIENCE MAJOR  
REQUIREMENTS  
(Total: 71 Credit Hours)**

**Required Courses** (39 credit hours): CS200\*, 201, 202, 305, 315, 360, 365,303, 380, 403, 425, and 431.

**Required Support Courses** (32 credit hours): MA151\*, 203, 204, 341, 351, 375, PH210\*, 211\*, 251\*, and 252\*.

\*Fulfill general education requirements.

**COMPUTER SCIENCE MINOR  
REQUIREMENTS  
(Total: 41 Credit Hours)**

The computer science minor program is intended to provide students majoring in other disciplines, especially those in the sciences, with a broad exposure to computer science. The minor will benefit both the graduate school-bound student and one headed for an information technology intensive workplace.

**Required Courses** (32 credit hours): CS200\*, CS201, CS202, CS305, CS315, CS360, CS303, CS403, and MA203\*

**Elective Courses** (select 9 credit hours): CS365, CS380, , CS431, CS492, MA151\*, MA204, MA341, MA351, MA385, MA411, MA451, MA460, PH210\*, PH211\*, PH251\*, and PH252\*

\*Fulfill general education requirements.

**CONSUMER AND FAMILY  
SCIENCES PROGRAM**

The main objectives of the Consumer and Family Sciences program are (1) to enable students to contribute to the improvement and/or maintenance of the well-being of individuals, families and communities in Guam, the Western Pacific and the world; (2) to prepare students to assist family members and others in learning how to make sound decisions related to human, financial and material resources; (3) to prepare students for professional employment and advanced studies in the areas of Consumer and Family Sciences: clothing and textiles, food, nutrition and family resources.

**BA Consumer and Family Sciences goals/objectives include the following:**

1. GOAL 1: Acquire a knowledge base in clothing and textiles with the following objectives:
  - a. Demonstrate criterion level skills in basic clothing construction.
  - b. Demonstrate criterion level knowledge of fiber and textile materials.
2. Goal 2: Acquire a knowledge base in housing and interior design with the following objectives:
  - a. Demonstrate criterion level knowledge and skills in housing decisions in relation to available resources and options.
  - b. Demonstrate criterion level skills in use of housing and interior furnishings and products in meeting specific design needs.
  - c. Demonstrate design ideas through visual presentation.
3. Goal 3: Acquire a knowledge base in family resource management with the following objectives:
  - a. Demonstrate criterion level knowledge of family diversity in the global community.
  - b. Demonstrate criterion level knowledge of family resource management processes.



4. Goal 4: Acquire a knowledge base of the community context in which family functioning and development take place with the following objectives:
  - a. Demonstrate criterion level knowledge of the effects of context (social, economic, political, historical, & cultural environment) on family functioning & development.
5. Goal 5: Acquire a knowledge base food, nutrition, and health with the following objectives:
  - a. Demonstrate criterion level knowledge of the influence of nutrition and health practices across the life span.
  - b. Demonstrate criterion level knowledge & skills to acquire, handle, & use foods to meet nutrition & health needs of individuals & families across the life span.
  - c. Demonstrate criterion level knowledge and skills to evaluate factors that affect food safety, and food production through consumption
6. Goal 6: Acquire professional skills with following objectives:
  - a. Demonstrate criterion level skills in written communication.
  - b. Demonstrate criterion level skills in oral communication.
  - c. Demonstrate a basic level of computer literacy.
  - d. Demonstrate basic competence in “helping” skills.
  - e. Demonstrate basic research skills.
7. Goal 7: Apply knowledge and professional skills to address issues encountered in professional settings with the following objectives:
  - a. Demonstrate critical thinking skills and problem solving abilities.
  - b. Demonstrate commitment to professional values and ethical behavior.
  - c. Demonstrate a satisfactory level of preparation for the world of work and responsibility for continued professional growth.

## CONSUMER AND FAMILY SCIENCES

The student seeking a B.A. degree in Consumer and Family Sciences must earn 38 credit hours in the following Core courses. The CFS Core provides the student with learning experiences in clothing and textiles, food and nutrition, and youth/family issues.

### Consumer and Family Science Core (38 Credits)

|            |  | Credits |
|------------|--|---------|
| CF140      | Scientific Principles of Food Preparation      | 4       |
| CF230      | *Nutrition and Health                          | 3       |
| CF309      | Prevention Programming for Youth at Risk       | 3       |
| CF315      | Interior Design                                | 3       |
| CF325/325L | *Textiles (and Lab)                            | 4       |
| CF351      | Consumer Economics Family Financial Management | 3       |
| CF430      | Nutrition Throughout the Lifespan              | 3       |
| CF450      | Family Resources                               | 3       |
| ED201      | Human Growth and Development                   | 3       |
| SO230      | Marriage and the Family                        | 3       |
| CF491      | Issues in Consumer and Family Sciences         | 3       |
| CF498      | Internship in Consumer and Family Sciences     | 3       |
| or         |  |         |
| SW401      | Community Service Learning                     | 3       |

### Consumer and Family Science Electives (18 Credits)

|             |  |  |
|-------------|--|--|
| CF120       | Clothing Construction                    |  |
| CF231       | Nutrition & Health                       |  |
| CF339       | Community Nutrition                      |  |
| CF342       | Food Safety & Sanitation                 |  |
| CF389       | Extension Programs & Planning            |  |
| CF392       | Lab Teaching Assistantship               |  |
| CF402       | Preschool Child Laboratory               |  |
| CF435       | Sports Nutrition                         |  |
| CF490       | Special Project in CFS                   |  |
| PE214       | Community Health for Educators           |  |
| SW313       | Research Methods Health & Social Science |  |
| SW344       | Aging: Myths & Realities                 |  |
| SW480       | Family Violence                          |  |
| BA240       | Management of Organizations              |  |
| BA241       | Human Resource Management                |  |
| ED300       | Educational Psychology                   |  |
| ED327       | Home Economics Methods: Secondary        |  |
| ED403       | Foundations of Education                 |  |
| CF/AG/PA401 | Community Planning                       |  |



The student must complete additional electives of their choice in order to meet the University's total credit hour requirement of 124 credit hours, of which 40 credits must be upper-division.

\*Meets General Education Requirements

### CONSUMER AND FAMILY SCIENCES MINOR REQUIREMENTS (Total: 21 Credits)

A minor in Consumer and Family Sciences requires completion of a minimum of 21 semester hours to include the 12 credits of core requirements and 9 credits in one of the special subject areas listed below.

#### Consumer and Family Sciences Core Requirements (12 credit hours):

CF120, \*CF230, CF315, CF450 - Prerequisite: BA110 or consent of Instructor.

Select one of the special subject areas below to complete a minor in Consumer and Family Sciences:

#### Food and Nutrition (9 credit hours):

|            |   |  |
|------------|---|--|
| CF140      | 4 | None   |
| CF231      | 3 | None   |
| CF342      | 3 | Prerequisite: CF230, *BI157-157L,              |
| BI158/158L | 4 | or consent of instructor. (BI225 recommended). |

#### Family Resources (9 credit hours)

|                   |   |  |
|-------------------|---|--|
| CF351             | 3 | Prerequisite: BA110 or consent of instructor.                    |
| CF/ED402/<br>402L | 4 | Prerequisite: ED201 or ED251 or consent of instructor.           |
| CF450             | 4 | Prerequisite: BA110 and PY101 or SO101 or consent of instructor. |
| SO230             | 3 | None   |

\*Meets General Education Requirements

### CONSUMER AND FAMILY SCIENCES SECONDARY EDUCATION OPTIONS:

Students majoring in Education may choose Consumer and Family Sciences for one of their Secondary teaching specialty areas: Option B (See Major in Secondary Education, School of Education).

#### Option B: Required Courses (12 credits):

CF120, CF230, CF315, CF450.

**Electives (18 CF credits):** At least 9 credits must be in upper division courses.

Students majoring in areas other than education may find one of the Consumer and Family Sciences special study areas complement their chosen major and are encouraged to investigate these alternatives in planning their programs.

### NUTRITION MINOR PROGRAM

#### NUTRITION MINOR REQUIREMENTS (Total: 27 credit hours)

**Required** (18 credit hours): CF140, CF230 or CF231, CF430, and BI124/124L & BI125/125L OR BI157/157L & BI158/158L.

**Electives** (9 credit hours): CF339, CF342, CF435, CF445 or CF460.

### MATHEMATICS PROGRAM

The mathematics major and minor programs are designed to: (1) prepare secondary school mathematics teachers; (2) prepare students for other employment requiring the use of mathematics; and (3) provide an understanding of the fundamental quantitative considerations, symbolized mathematically, which underlie our mechanized society.

Additional requirements for a mathematics major leading to a general secondary teaching credential are listed in the College of Education section. A student must declare a double major in Mathematics and Education for a secondary teaching degree.

BS Mathematics **goals** include the following:

**Students completing the mathematics program at the UOG will:**

**MA PR-1:** *demonstrate critical thinking, problem solving skills and ability to use mathematical methods by identifying, evaluating, classifying, analyzing, synthesizing data and abstract ideas in various contexts and situations.*

**MA PR-2:** *exhibit a sound conceptual understanding of the nature of mathematics, and demonstrate advanced mathematical skills in mathematical analysis, modern algebra and other mathematical discipline(s).*

**MA PR-3:** *argue and reason using mathematics, read, create and write down logically correct mathematical proofs, use exact mathematical language and communicate mathematics efficiently orally, in writing and using information technology tools.*

**MA PR-4:** *apply abstract thinking, mathematical methods, models and current practices in the sciences, including state-of-the-art mathematical software, to solve*

problems in theoretical mathematics or in a diverse area of mathematical applications.

**MA PR-5:** *show maturity in mathematical knowledge and thinking* that prepares and encourages students to pursue graduate studies in mathematics or in related fields.

**MA PR-6:** *demonstrate an appreciation of and enthusiasm for inquiry, learning and creativity in mathematical sciences, a sense of exploration that enables them to pursue lifelong learning and up-to-date professional expertise* in their careers through various areas of jobs, including governmental, business or industrial jobs in mathematics, related sciences, education or technology.

### MATHEMATICS MAJOR REQUIREMENTS (Total: 52 Credit Hours)

Each mathematics major must complete studies with a cumulative GPA of 2.3 in the courses specified as required courses for the major.

**Required Courses** (43 credit hours): Either CS201 or 202, PH251, 252, MA203, 204, 205, 302, 341, 411, 421, 422, and any one of MA301, 361 or 375.

**Electives** (9 credit hours): A minimum of nine (9) credit hours of upper division Mathematics (MA) courses in addition to those already required.

### MATHEMATICS MINOR REQUIREMENTS (Total: 28 Credit Hours)

**Required Courses** (16 credit hours): MA203, 204, 205 and 302.

**Electives** (12 credit hours): A minimum of six (6) credit hours of upper division Mathematics (MA) courses in addition to MA302.

### PHYSICAL EDUCATION/ SCHOOL HEALTH (PK-12) PROGRAM

Students graduating from this program will receive a B.S. in Physical Education/ School Health (PK-12). The program of study in physical education and school health is designed to prepare students at the undergraduate level for entry into the field of physical education and health for PK-12. Students are prepared for teaching in local, regional, U.S. mainland, Department of Defense, and other schools where physical education and health are taught.

### PHYSICAL EDUCATION/ SCHOOL HEALTH (PK-12) MAJOR REQUIREMENTS (Total: 139 credit hours)

#### General Education Requirements (55 credit hours):

Each student must fulfill the General Education requirements as listed in the Academic Rules and Regulations section of this catalogue. The following are requirements for this major that fulfill certain General Education Requirements: EN111, CO210, MA110 or MA161a or MA165, CF231, BI124/124L, HI211, and PY101. A grade of "C" or better must be earned in these courses.

#### Professional Education Requirements (34 credit hours):

ED110 or ED403, ED192, ED201, ED300, ED451, ED462, ED473, ED489, PE 492b (student teaching). A grade of "C" or better is required in each of these courses.

#### Specialization Requirements (50 credits hours):

HS 131 or HS 132, HS 200, HS/PE 322, HS/PE 324, HS/SW355, PE109, PE124, PE125, PE214, PE212, PE220, PE251, PE312, PE326, PE352, and PE392a concurrently, PE353 and PE392b concurrently, PE426 and PE454/G. A grade of "C" or better must be earned in all requirements for the major. A minimum GPA in the major of 2.75 and 2.7 overall is required for graduation.

**By the completion of the program, students will be able to:**

1. Apply discipline- specific scientific and theoretical knowledge;
2. Demonstrate skill competence and fitness competence;
3. Plan and implement developmentally correct and sequential learning experiences aligned to learning objectives, state, and national standards to meet the needs of diverse learners;
4. Use effective communication and pedagogical skills to enhance learning and student engagement;
5. Utilize assessments and the reflective cycle to foster learning and guide instructional decisions;
6. Demonstrate appropriate professional dispositions when interacting with students, colleagues, administrators, and in the community.

Adopted from NASPE 2008 Initial Physical Education Teacher Education Standards



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## MILITARY SCIENCE MINOR PROGRAM

### MILITARY SCIENCE MINOR REQUIREMENTS (Total: 29 credit hours)

**Required** (29 credit hours): MSL101, 102, 201, 202 (or MSL292); MSL301, 302, 392, 401, 402, HI306. [Any 300 or 400 level History course must first be approved by the Professor of Military Science (PMS) prior to taking the alternative course.]

**Electives** (8 credit hours): For eligible students who pre-qualify for MSL101, 102, 201 and 202 (prior service credit), a total of 8 credit hours may be substituted by courses recommended by the Professor of Military Science.

### U.S. ARMY SENIOR RESERVE OFFICERS' TRAINING CORPS (SROTC)

**General Information:** The SROTC is an Army leadership-training program that has a contractually agreed upon cooperative effort with the University of Guam (UOG). The SROTC's purpose is to commission Army Officers, the future leadership of the U.S. Army. When students finish the Army SROTC coursework and graduate with a UOG college degree, they are commissioned as second lieutenants in the U.S. Army with a job either on Active Duty, with the National Guard, or with the Reserves.

**Four-year Program:** The four-year program is divided into the basic (100-200 level) and advanced (300-400) courses. There is no obligation incurred by the student while taking the basic level courses unless the student chooses to contract early after meeting the minimum requirements. To become eligible for enrollment in the advanced course, a student must have junior academic standing (60 credit hours), meet the eligibility requirements stated below, and successfully complete the basic courses.

**Two-year Program:** A student may enter SROTC during their junior year or as a Graduate Student by having completed a basic course equivalent. Successful completion of MSL 292 or Basic Training / Initial Entry Training / Advanced Individual Training with a certificate of completion or DD Form 214 is required.

**Eligibility:** Any **full-time student** may take a lower level Military Science course **at no cost to the student** registering in the same manner as any other undergraduate /graduate course. However, to qualify for enrollment as an ROTC cadet in the program leading to a commission, a student must meet the following requirement:

- U.S. citizenship is required prior to commissioning.
- Be at least 17 years of age with consent at time of contracting and no more than 35 years of age at time of commissioning.
- Be a full time student at UOG, GCC, or a combination of the two. Or be a full time student at the Northern Marianas College (NMC).
- Not be convicted of a felony.
- Be approved by the Professor of Military Science.
- Specific questions regarding the above criteria should be directed to the Military Science department at (671) 734-3000.

**Tuition:** Military Science courses at UOG are tuition free. However, students must be full time in order to enroll in SROTC. All Military Science required uniform and equipment are provided on a loan basis. All Military Science course texts are also provided to students at no cost.

**Financial Assistance:** Two, three, and four-year Army ROTC scholarships are available on a competitive basis for qualified applicants. Recipients receive full tuition, lab fees, book expenses up to \$250, and a \$300 per month stipend for up to 10 months of their freshman school year; \$350 the sophomore year. All contracted advance course cadets receive a monthly stipend. Juniors receive \$450 a month, Seniors \$500 a month, for up to 10 months per academic school year.

**Professional Military Education (PME):** The PME component, a requirement prior to commissioning, consists of two parts: A baccalaureate degree in an approved field and successful completion of at least one undergraduate course from each of the following designated fields: Military History (ROTC Contracted Cadets must take HI 306 offered at UOG. Any exception to this requirement that involve an alternative course must first be approved by the Professor of Military Science before the alternative course is taken); Written Communication Skills (EN 110, EN 111, CO 106, CO 210); Math Reasoning (MA 110, MA 161a, MA 161b, MA 165, MA 203); Computer Literacy (CS 200, CS 201, BA 130, BA 230, MA 151); Human Behavior (AN/SO 332, GE 201, HI 121, HI 122, BA 110, GE 101, PS 101, AN 101, AN 212, LN 200, LN 300, PS 202, PY 101, SO 101, SO 202). SROTC Scholarship recipients are required to complete at least one semester of foreign language within one year of acceptance and use of said scholarship. Any foreign language course offered at UOG, other than English, will meet this requirement.



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## NATURAL SCIENCE COURSES

Courses in astronomy, geology, meteorology, and oceanography are offered for students interested in these environmentally-oriented disciplines. The lower division geology and physical science courses may be used to satisfy general education science requirements. Meteorology and oceanography may serve as upper division electives.

## PHYSICS COURSES

Physics courses are designed to provide students with a general knowledge of physics principles and laboratory skills. Courses are offered to meet the requirements of specific majors, e.g., chemistry, mathematics, agriculture, and biology.

## PREPROFESSIONAL PROGRAMS

### PRE-ENGINEERING PROGRAM

The University of Guam Engineering Science Program parallels the engineering programs offered during the first two years at major colleges and universities. In order to complete his or her studies, it is expected that the student would transfer to another university that offers degrees in particular fields of engineering after completing the required course work in this program. The University's pre-engineering program is articulated with the University of Iowa's College of Engineering. Interested students should contact the Dean of the College of Natural and Applied Sciences.

The first two years of engineering study place emphases on learning the tools and theories and providing the background for all engineering fields. Rigorous studies in mathematics and the physical sciences of chemistry and physics will be required of all students in the program. Students will also be required to take courses in the social sciences and humanities in order to round out their educational experience.

Students requiring developmental work in the areas of mathematics or English are welcomed to the program, but completion of the program will probably take longer than two years for these students.

Advising of those participating in the Engineering Program will be handled by the pre-engineering advisors in the Division of Mathematical Sciences and the Water and Environmental Research Institute.

### Recommended Engineering Science Curriculum:

*English and Communication:* EN111, CO210.

*Mathematics:* MA203, MA204, MA205, MA301.

*Physical Sciences:* PH251, PH210, PH252, PH211, CH102-102L, CH103-103L.

*Engineering Science:* ES100, ES101, ES201, ES202, ES203.

*Physical Education:* 2 Credits

**Elective Courses:** 9 credits of courses in category II and III of General Education Course requirements. At least 3 credits should be taken in each category.

## PREMEDICAL, PREOPTOMETRY, PREPHARMACY, PREDENTAL AND PREVETERINARY PROGRAMS

The University of Guam offers all courses, which are required to attend post-graduate medical, optometry and dental schools, and these courses are as rigorous as courses in other accredited institutions. However, the University of Guam does not offer a "pre-med major," etc., sequence of courses, because most medical, optometry and dental schools prefer to consider candidates who have completed a subject area major. Therefore, those who plan to continue their studies in medical, optometry or dental school should choose a subject area major, and, in addition, should schedule mathematics through calculus, one year of college or university physics, one year of general biology, and two years of chemistry (through organic chemistry).

The University offers a pre-pharmacy program that leads directly to entrance to the School of Pharmacy at the University of Hawaii – Hilo. For information, contact the Dean, CNAS at [lyudin@uguam.uog.edu](mailto:lyudin@uguam.uog.edu) or the UOG website at [www.uog.edu](http://www.uog.edu)

Courses such as quantitative analysis, biochemistry, cell physiology, genetics and comparative anatomy are often recommended if scheduling permits. Often, premed, preoptometry and predental students will choose to major in math or the sciences, but this is not necessary so long as the required courses are taken. Prospective premeds, preoptometry and predents should realize that national examinations (the Medical College Aptitude Test, MCAT; the Optometry College Admission Test, OCAT; and the Dental Aptitude Test, DAT) are to be taken in the junior year of college; required courses should be completed or in progress before these exams are scheduled in order to assure adequate scores. Information on MCAT, OCAT and DAT can be obtained from the Office of Counseling and Career Planning; Guam is an officially designated test site for these exams.

Those who are interested in veterinary medicine can complete basic science requirements at the University of Guam. However, there are very few schools of veterinary medicine and they are extremely selective. They usually require, in addition to basic science, agriculture courses in



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animal husbandry, animal nutrition, etc., and all have specific state residency requirements which being a resident of Guam does not fulfill. Pre-vet students are encouraged to attend the University of Guam for two years, during which time basic science courses can be taken and appropriate catalogs studied.

Advisement for these preprofessional courses is handled through the biology major advisor in the Division of Natural Sciences, and all students who plan to go to medical, optometry, dental, and veterinary schools are encouraged to seek this advisement, regardless of their subject area. The University of Guam presently participates in a special "Undeserved in Sight" program with the Pacific University College of Optometry, and a special program for Pacific Island students is available. Inquiries from high school students and other Guam residents are welcomed.

## **BACHELOR OF SOCIAL WORK DEGREE PROGRAM**

A four-year professional educational program in social work leading to a Bachelor of Social Work (BSW) degree is offered. The BSW is recognized by the National Association of Social Workers as the entry-level degree for the profession. The BSW Program is accredited by the National Council on Social Work Education.

### **SOCIAL WORK PROGRAM MISSION AND GOALS**

Through the teaching of social work knowledge and practice, the Bachelor of Social Work Program prepares individuals to develop a global perspective of social welfare and social development, to actualize the concept of social caring, to demonstrate belief in the intrinsic value, dignity and worth of all humankind, to serve those in need, and to act with conviction in advancing the principle of social justice and human rights within the communities of Guam, Micronesia, and the neighboring regions of the Pacific and Asia.

The goals of the Bachelor of Social Work Program are as follows:

1. Preparation of students to understand, identify with and incorporate into practice the professional values and ethics of social work;
2. Preparation of students for beginning generalist professional practice with individuals, kinship systems, groups, organizations, and communities;
3. Preparation of students for practice with diverse and at-risk populations;

4. Preparation of students as beginning social work generalists who link indigenous knowledge, social service practice wisdom, and social research;
5. Preparation of students for lifelong learning and critical thinking through an educational process which is grounded in a liberal arts perspective and professional social work foundations;
6. Enable students to integrate knowledge, skills, and values into generalist social work practice;
7. Preparation of students for graduate education in social work.

### **ADMISSION REQUIREMENTS FOR THE BSW PROGRAM**

There are two levels of social work majors: Pre-BSW and BSW. A pre-BSW student is any declared social work major who has not yet completed the requirements for advancement to the BSW student status. A BSW student is one who has met these requirements and has been formally admitted to the BSW Program.

To be eligible for the BSW junior level, applicants must:

- complete at least 45 credits of General Education requirements
- complete EN111 Writing for Research
- complete Mathematics General Education requirements
- complete SO101 Introduction to Sociology
  
- Complete PY101 General Psychology
- Complete BI110 Economics
- complete SW201 Social Welfare and Development: Global Challenges with a grade of "C" or better
- have a cumulative G.P.A. of 2.5 or higher
- submit a completed application form and related materials, including two letters of reference.

Application for advancement to BSW student status are made at the end of the Spring Semester for the students sophomore year. Upon receipt of all necessary documents, the social work faculty reviews the application. The division chair of the program notifies applicants by letter of the faculty's decisions regarding admissions. Students must be advanced to BSW student status in order to take SW301.

## PROGRESSION IN THE BSW PROGRAM

In order to remain in good standing in the BSW program, students must maintain a grade of C or better in all required social work courses and a minimum of 2.5 cumulative GPA.

### ADVISEMENT

Academic advisement is provided to assist students throughout their educational careers as they become competent entry-level social workers. The advisor monitors student progress, provides consultation in planning a course of study, and assist in problem solving with regard to both classroom and field course work. The advisor also facilitates communication between students and their classroom and field instructors. The faculty advisor serves as an “anchor person” with whom students may confer regarding any program-related problem or question. In keeping with the goals of the program and the spirit of social work, the advising relationship among students, faculty, and administrators is one of collaboration. It is recommended that all pre-BSW students meet with the Division Chair for advisement before registering for classes each semester. Once a student is admitted into the social work program, s/he is assigned to an advisor.

## SOCIAL WORK MAJOR REQUIREMENTS

### Non-Social Work Course Requirements (Total: 18 Credit Hours)

The BSW program rests on a general education foundation with a minimum of 15 credit hours in the social sciences (Economics, Psychology, and Sociology); and 3 credit hours in mathematics/statistics. Pre-requisite social science courses that should be completed before applying to the Social Work Program include: PY101, SO201, and BA110. Two elective, upper division (300-level or above) social science courses are also required (6 credits). These social science electives may be drawn from the fields of anthropology, economics, political science, psychology, sociology, and women and gender studies or as approved by social work faculty advisor. These two elective social science courses may be taken after the student is admitted into the social work program. The required Mathematics/Statics course is MA151. Note: These courses may count toward general Education requirements.

The BSW program requires 51 credit hours of social work courses. They include 36 credit hours of required classroom courses (SW201, 250, 301, 302, 403, 404, 313, 345, 406, 408, 410), 9 credit hours of fieldwork (SW385, SW485a-b) and 6 elective credit hours selected from SW305, 344, 355, 400 (may be taken more than once), 480, and 490.

## SUMMARY OF REQUIREMENTS FOR GRADUATION

|   |    |
|---|----|
| General Education Requirements                    | 55 |
| Social Work Credits                               | 51 |
| Social Sciences Credits                           | 15 |
| (Economics, Psychology, and Sociology,)           | 9  |
| (Elective, Upper-Division Social Science Courses) | 6  |
| Statistics  | 3  |

Note: Social Sciences and statistic courses that are required by the BSW Program may also count toward General Education requirements. The UOG required minimum number of credit hours for graduation is 124.





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## SCHOOL OF BUSINESS AND PUBLIC ADMINISTRATION



### MISSION

The mission of the School of Business and Public Administration (SBPA) is as follows:

*We are the regional center for education, development, and research in business and government. Our core values promote ethical and socially responsible leadership throughout the Western Pacific.*

The SBPA mission relates to the University of Guam mission. As a Land Grant institution, the University provides programs and outreach opportunities that integrate SBPA and its students into the fabric of the community and the development of regional economies. The liberal arts setting and General Education requirements of the University are integral to SBPA professional degree programs and curricula.

In its mission commitment to teaching, service and research, SBPA is dedicated to the success of its students by providing quality bachelor's and master's degree programs in business administration, criminal justice and public administration with concentrations appropriate to the region.

The School is a repository of knowledge for economic and business issues, where scholarship and service support and enhance its educational programs. The School encourages faculty and students to undertake applied research and provide community and university services for the benefit of business and public agencies in the region. The School plays an important role in providing needed services to the community and university through small business development, conferences, seminars, and professional consulting to business and government.

The School espouses the following core values that relate to its mission, its students and its vision of the future:

- Academic quality
- Critical thinking supported by strong fundamental skills
- Cultural diversity
- Social responsibility
- Currency and excellence in thought and action
- Lifelong learning and growth
- Teamwork
- Hard work, dedication and continuous improvement
- Development of Guam and the Western Pacific region
- Graduates who can compete globally, think strategically and respond to change.

### DEGREE PROGRAMS

Bachelor of Business Administration in Accounting  
Bachelor of Business Administration (with Concentration)  
Bachelor of Science, Criminal Justice  
Bachelor of Science, Public Administration  
Master of Public Administration  
Professional Master of Business Administration

### CERTIFICATE AND SPECIAL INSTRUCTION PROGRAMS

Health Services Administration  
Paralegal Studies

### ADMISSION AND OTHER PROGRAM REQUIREMENTS

*All School of Business and Public Administration students must comply with the following:*

- *Must have completed a minimum of 30 credit hours*
- *Must have a cumulative GPA of at least 2.000*
- *Must have completed EN111 and MA110 with a grade of "C" or better in both classes before enrolling on any upper division courses*
- *Must earn a grade of "C" or better in their major required coursework.*

### ADVISEMENT

The School is committed to the advisement of its students. Students are required to meet and confer with a full-time SBPA faculty advisor from their chosen area of study at least twice. The first meeting is required upon declaration of a major course of study in SBPA. The second meeting is required two academic semesters before

the date of expected graduation. An advisement meeting is also required when a student changes to another major in SBPA, adds a major in SBPA as a second major, changes Concentration within the BBA degree program, or transfers from another institution into SBPA. Note that this policy does not preclude students from seeking advisement at other times.

Students may obtain advisement forms for their major and sample four-year program plans from the SBPA Office. These forms should be completed prior to meeting with an advisor.

Listed below are the SBPA faculty advisement liaisons for all SBPA major and minor programs. Students should contact one of the liaisons in their declared major or minor and request assignment to an advisor in that field.

**Accounting:**

Dr. Doreen T. Crisostomo  
Assistant Professor  
SBPA Bldg. Room 230  
Tel: 735-2529 Fax: 734-5362  
Email: doreentc@uguam.uog.edu

Dr. Elizabeth Foma  
Assistant Professor  
SBPA Bldg. Room 229  
Tel: 735-2506 Fax: 734-5362  
Email: efoma@uguam.uog.edu

Dr. Venus C. Ibarra  
Associate Professor  
SBPA Bldg. Room 231  
Tel: 735-2502 Fax: 735-5362  
Email: vcibarra@uguam.uog.edu

Professor Martha G. Suez-Sales  
Instructor  
SBPA Bldg. Room 232  
Tel: 735-2501/20 Fax: 734-5362  
Email: martha@uguam.uog.edu

**Entrepreneurship Concentration:**

Dr. M. Claret Ruane  
Professor  
SBPA Bldg. Room 118  
Tel: 735-2501/20 Fax: 734-5362  
Email: mcruane@uguam.uog.edu

Dr. Karri Trahin-Perez  
Associate Professor  
SBPA Bldg. Room 127  
Tel: 735-2501/20 Fax: 734-5362  
Email: kperez@uguam.uog.edu

Dr. Annette Taijeron Santos  
Associate Professor  
SBPA Bldg. Room 125  
Tel: 735-2514 Fax: 734-5362  
Email: asantos@uguam.uog.edu

**Finance & Economics Concentration:**

Dr. Roseann Jones  
Professor  
SBPA Bldg. Room 119  
Tel: 735-2511 Fax: 734-5362  
Email: rmjones@uguam.uog.edu

Dr. Leila C. Kabigting  
Associate Professor  
SBPA Bldg., Room 120  
Tel: 735-2501/20 Fax: 734-5362  
Email: lckabigting@uguam.uog.edu

Dr. M. Claret Ruane  
Professor  
SBPA Bldg. Room 118  
Tel: 735-2501/20 Fax: 734-5362  
Email: mcruane@uguam.uog.edu

**Human Resource Management Concentration:**

Dr. Richard Colfax  
Professor  
SBPA Bldg. Room 121  
Tel: 735-2501/20 Fax: 734-5362  
Email: rscolfax@uguam.uog.edu

Dr. Karri Trahin-Perez  
Associate Professor  
SBPA Bldg. Room 127  
Tel: 735-2501/20 Fax: 734-5362  
Email: kperez@uguam.uog.edu

**International Business Concentration:**

Dr. Annette Taijeron Santos  
Associate Professor  
SBPA Bldg. Room 125  
Tel: 735-2514 Fax: 734-5362  
Email: atsantos@uguam.uog.edu

Dr. Karri Trahin-Perez  
Associate Professor  
SBPA Bldg. Room 127  
Tel: 735-2501/20 Fax: 734-5362  
Email: kperez@uguam.uog.edu

**International Tourism & Hospitality Management Concentration:**

Dr. Fred Schumann  
Associate Professor  
SBPA Bldg. Room 224  
Tel: 735-2547 Fax: 734-5362  
Email: schumann@uguam.uog.edu

**Marketing Concentration:**

Professor Maria Teresa (Terrie) O'Brien  
Associate Professor  
SBPA Bldg. Room 123  
Tel: 735-2533 Fax: 734-5362  
Email: theobs@uguam.uog.edu

**Public Administration:**

Dr. Ronald McNinch  
Associate Professor  
SBPA Bldg. Room 136  
Tel: 735-2501/20 Fax: 734-5362  
Email: rmcninch@uguam.uog.edu

Dr. Ansito Walter  
Associate Professor  
SBPA Bldg. Room 135  
Tel: 735-2572 Fax: 734-5362  
Email: ansitowalter@uguam.uog.edu

**Criminal Justice:**

Dr. Ronald McNinch  
Associate Professor  
SBPA Bldg. Room 136  
Tel: 735-2501/20 Fax: 734-5362  
Email: rmcninch@uguam.uog.edu



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Professor Therese Terlaje  
Assistant Professor  
SBPA Bldg. Room 137  
Tel: 735-2574 Fax: 734-5362  
Email: tterlaje@uguam.uog.edu

**Custom-Designed Concentration:**

Dr. Kevin Ho  
Associate Professor  
SBPA Bldg. Room 227  
Tel: 735-2501/20 Fax: 734-5362  
Email: kevinho@uguam.uog.edu

Dr. Wai Law  
Professor  
SBPA Bldg. Room 226  
Tel: 735-2501/20 Fax: 734-5362  
Email: wlaw@uguam.uog.edu

**Undeclared Business:**

Dean  
SBPA Bldg. (Administration Office – 2<sup>nd</sup> Floor)  
Tel: 735-2501/2520 Fax: 734-5362  
Email: atsantos@uguam.uog.edu

**Professional Master of Business Administration (PMBA):**

Dr. Annette Taijeron Santos  
Associate Professor  
SBPA Bldg., Room 125  
Tel: 735-2514 Fax: 734-5362  
Email: atsantos@uguam.uog.edu

**Master of Public Administration (MPA):**

Dr. Ansito Walter  
Associate Professor  
SBPA Bldg. Room 135  
Tel: 735-2572 Fax: 734-5362  
Email: ansitowalter@uguam.uog.edu

**ADMINISTRATION**

The Office of the School of Business and Public Administration is located in the second floor of the Jesus S. & Eugenia A. Leon Guerrero School of Business and Public Administration Building. Correspondence with the School of Business and Public Administration can be directed to:

Dean  
School of Business and Public Administration  
University of Guam  
UOG Station  
Mangilao, Guam 96923  
Phone: (671) 735-2501/2520  
Fax: (671) 734-5362

**SBPA STUDENT ORGANIZATIONS**

Students have an opportunity to expand their special interests and social goals in any one, or a combination of student organizations. To obtain information about any of

these organizations, please contact the University of Guam Student Life Office.

- American Marketing Association (AMA/UOG) Collegiate Chapter
- Entrepreneurship Society (E-Society)
- Junior Accountants Society (JAS)
- Lambda Psi Chapter of Alpha Phi Society (LPCAPS)
- Public Administration and Legal Studies Society (PALS)
- Soroptomists Sigma Society (SSS)
- Student Investment Club (SIC)
- Tourism Awareness Group (TAG)
- UOG Chapter of the Society for Human Resource Management (SHRM)

**BACHELOR OF BUSINESS ADMINISTRATION IN ACCOUNTING (BBAA)**

The Accounting degree is for students interested in professional careers in the field. Jobs in accounting are found in public accounting firms and in almost all business firms and levels of government.

This Program stresses technical skills that support the four key areas of accounting: audit, cost, government and tax. Particular emphasis is given to knowing how financial data are assembled and integrated into an articulated set of financial statements, understanding techniques and procedures, and using accounting computer applications.

Accounting Program Learning Goals:

- Goal 1: Demonstrates teamwork and leadership in the accounting/business environment;
- Goal 2: Demonstrates critical thinking and the ability to gather and synthesize information for accounting/business management problems;
- Goal 3: Identify and analyze ethical problems that occur in the accounting/business environment;
- Goal 4: Demonstrates competency in the application of accounting principles and concepts for local, regional, and global environments;
- Goal 5: Demonstrates and ability to communicate relevant financial and non-financial information effectively;
- Goal 6: Demonstrates competency information technology for the accounting/business environment.

**Requirements for students selecting the Accounting degree program include:**

Students in this program will graduate with 136 credits after completing all program requirements which consist of 55 credits of General Education, 51 credits of business foundation courses, and 30 credits of accounting major courses consisting of Accounting, Taxation and Law. Also required are at least six (6) credits of non-business courses. Graduates of this program will have completed more than 24 credits of accounting inclusive of credits taken in the foundation course requirements and the 36 credits of business courses thereby meeting the prerequisites to take the CPA board examination in Guam.

A student may opt to take more courses in the undergraduate degree program to satisfy the 150 credit to fulfill the requirements for certification of the Guam Board of Accountancy.

**SUMMARY OF REQUIREMENTS FOR THE BBAA DEGREE**

|  |            |
|--|------------|
| General Education Requirements                   | 55         |
| Business Foundation Courses                      | 51         |
| Accounting Major Requirements                    | <u>30</u>  |
| <b>Requirement for Graduation (credit hours)</b> | <b>136</b> |

**GENERAL EDUCATION REQUIREMENTS SPECIFICALLY FOR BBAA**

**General Education Requirements (55 credit hours):** Each student must fulfill the General Education requirements as listed in the Academic Rules and Regulations section of this catalog. However, the BBA in Accounting Program requires the follow General Education courses to fulfill its degree requirements:

1. **Essential Skills**  
*Statistic/Computer Skills*  
BA130 Introduction to Computer Operation 3
2. **The Individual and Society**  
PY101 General Psychology or  
SO101 Introduction to Sociology 3
3. **Search for Meaning**  
PI101 Introduction to Philosophy or  
PI102 Contemporary Ethical Problem or  
PI210 Introduction to Logic or  
WG101 Intro to Women and Gender Studies 3

**BBAA FOUNDATION REQUIREMENTS**

| COURSE       | Title   | Credit Hours | Prerequisite               |
|--------------|---|--------------|----------------------------|
| BA200        | Principles of Financial Accounting                | 3            | BA130 and MA110            |
| BA201        | Principles of Managerial Accounting               | 3            | BA200                      |
| BA210        | Basic Statistics for Business and Economics       | 3            | BA110, BA130, MA110        |
| BA240        | Management of Organizations                       | 3            | Placement in EN111 & MA110 |
| BA241        | Human Resource Management                         | 3            |                            |
| BA260        | Fundamentals of Marketing                         | 3            |                            |
| BA310        | Applied Statistics for Business Decisions         | 3            | BA210, BA240               |
| BA320        | Basic Business Finance                            | 3            | BA201, BA210               |
| BA330        | Info. Technology and Networks for Business        | 3            |                            |
| BA333        | Mgmt. Info. Systems                               | 3            | BA240, BA330               |
| BA307        | International Accounting                          | 3            |                            |
| BA405        | Accounting Internship                             | 3            | Instructor Consent         |
| BA440        | Organizational Behavior                           | 3            | BA240, SO101/PY101         |
| BA480        | Business Strategy and Policy                      | 3            | Graduating Senior          |
| LW442        | Business Law I                                    | 3            |                            |
| PA233        | Impact of Government Regulatory Admin on Business | 3            |                            |
| PA405        | Ethics in the Professions                         | 3            |                            |
| <b>Total</b> |   | <b>51</b>    |                            |

**ACCOUNTING MAJOR REQUIREMENTS**

| Course       | Title                          | Credit Hours | Prerequisite        |
|--------------|--------------------------------|--------------|---------------------|
| BA300        | Intermediate Accounting I      | 3            | BA201               |
| BA301        | Intermediate Accounting II     | 3            | BA300               |
| BA304        | Income Taxation                | 3            | BA201               |
| BA305        | Cost and Managerial Accounting | 3            | BA201               |
| BA400        | Advanced Accounting            | 3            | BA301               |
| BA401        | Governmental Accounting        | 3            | BA301               |
| BA402        | Accounting Systems             | 3            | BA301, BA305, BA330 |
| BA403        | Auditing                       | 3            | BA402               |
| BA406        | Ethics for the Accountant      | 3            | Graduating Senior   |
| LW443        | Business Law II                | 3            | LW442               |
| <b>Total</b> |                                | <b>30</b>    |                     |

For upper division accounting, taxation and law courses, student must have a grade of "C" or better for each course.

## BACHELOR OF BUSINESS ADMINISTRATION DEGREE PROGRAM (BBA) in Business Administration with Concentration

The Bachelor of Business Administration (BBA) degree program is designed to prepare undergraduate students from Guam and the Asia-Pacific region to assume professional business positions in the private and public sectors. Students who pursue this degree program may design a course of study that leads to the BBA degree with a concentration in one of the following areas: Entrepreneurship, Finance and Economics, Human Resource Management, International Tourism and Hospitality Management, Marketing or a custom-designed concentration is also permitted with the approval of the School of Business and Public Administration faculty advisor and the Dean.

### Business Administration Program Learning Goals:

- Goal 1: Develop an understanding of the business environment of the Western Pacific region
- Goal 2: Develop core business knowledge and competencies in a business field or area of concentration;
- Goal 3: Recognize how legal, regulatory, political and social environments affect ethical and socially responsible business decisions;
- Goal 4: Develop and appreciate an understanding of diversity, regional, and global issues in multicultural settings.

### Management Capabilities:

- Goal 5: Demonstrate effective communication abilities
- Goal 6: Demonstrate critical thinking and analytical skills;
- Goal 7: Demonstrate competency in information technology and ability to gather and synthesize information
- Goal 8: Demonstrate the ability to interact with the business community;
- Goal 9: Demonstrate effective collaboration, teamwork and leadership.

In conjunction with business leaders from the region, the School has developed a curriculum and learning outcomes that contain the qualities vital for personal and professional success. The curriculum is integrated with the University's General Education requirements. The business curriculum and activities of the School do not stop at the walls of the University. The School, its students and alumni set the stage for lifelong learning and growth through student internship programs, membership in

student and business organizations, community and university service, and applied research and consulting. To receive the BBA degree, students complete one hundred and twenty-four (124) semester credit hours.

## SUMMARY OF REQUIREMENTS FOR THE BBA DEGREE

| Curricular Component (detail below) | BBA with a<br>Concentration |
|-------------------------------------|-----------------------------|
| General Education                   | 55                          |
| BBA Foundation*                     | 51                          |
| BBA Concentration*                  | 12                          |
| Upper-Division Free Electives       | 6                           |
| <b>Semester Credit Hours</b>        | <b>124</b>                  |

**\*NOTE:** It is School policy and a business accreditation standard that at least fifty percent (50%) of the BBA Foundation and BBA Concentration components must be earned at the University of Guam.

## GENERAL EDUCATION COMPONENT OF THE BBA DEGREE

Students are required to complete fifty-five (55) semester credit hours selected from the University's General Education Requirements, as found in this catalog.

The General Education philosophy states, "While courses in one's major field prepare a student for success in a chosen profession, the General Education program helps prepare one for success in life." These courses are important to the BBA degree program, particularly in the areas of essential skills, global and regional studies, modern language and the diversity of society. When all BBA degree program components are taken into consideration, approximately fifty percent (50%) are from non-business coursework.

While there are many choices among the General Education courses offered, it is strongly recommended that BBA students include the following courses during their first year of study (note: BA130 and BA110 are prerequisites to several required BBA Foundation courses):

| SUGGESTED GENERAL EDUCATION<br>COURSE FOR YEAR 1 | General Education<br>Category Met<br>(Essential Skills) |
|--|---|
| EN110 Freshman Composition                       | English Writing   |
| EN111 Freshman Composition                       | English Writing   |
| CO 210 Fundamentals of Communications            | Communications  |
| MA110 Finite Mathematics                         | Mathematics   |
| BA130 Introduction to Computer Operations        | Statistics/Computer                                     |
| BA110 Principles of Economics                    | Individual & Society                                    |

The School intends that its students achieve the following learning outcomes from the General Education Component. Successful students will:



- Complete the General Education Program, an important step toward a well-rounded education
- Demonstrate essential skills sufficient to communicate clearly and effectively, use information technology for business purposes, and apply conceptual reasoning and quantitative analysis
- Understand diversity, as displayed by a knowledge of other languages, cultures and regions Know the political, social and economic environments in which businesses operate
- Take subjects that will contribute to life-long learning in their personal lives and careers.

- Know how to deploy and manage diverse resources using a variety of management processes
- Know how legal, regulatory and political environments affect business decisions
- Solve business problems using case analysis, statistics and functional principles
- Effectively use teamwork, leadership, and written and oral communication skills in business situations
- Recognize ethical issues and develop socially responsible resolutions
- Solve business problems in real-world situations to the satisfaction of practicing managers
- Integrate fundamental concepts in developing strategic plans and making general management decisions
- Observe and network with business managers and professionals.

### FOUNDATION COMPONENT OF THE BBA DEGREE

Students are required to complete fifty-one (51) semester credit hours selected from the BBA Foundation. These courses are fundamental to understanding the commercial world and developing sound business skills.

BBA Foundation courses are to be taken in each of a student's four years at the University. Courses beginning with the number 1 are suggested for freshmen (e.g. BA110); 2 for sophomores (e.g. BA260); 3 for juniors (e.g. BA320); and 4 for seniors (e.g. BA440). During the senior year after having completed most of the General Education and Foundation coursework, students take courses that put challenge the fundamental concepts learned. BA441 Operations and Project Management, BA481 Practical Applications in Small Business/ Entrepreneurship or BA482 Business/ Research Internship, students prepare for the practice of business. They work on projects, meet practicing professionals, and enhance their understanding of how organizations operate. In the capstone BA480 Business Strategy and Policy, students examine business problems from a general management perspective, use and integrate concepts from different functional perspectives, develop strategy, make strategic decisions, and analyze the factors that affect the ability of a business to execute its strategy.

The School intends that its students achieve the following learning outcomes from the BBA Foundation Component. Successful students will:

- Understand the management process, the profit motive, and how firms operate and compete
- Apply fundamental concepts and techniques from the functional areas of accounting, economics, finance, information technology, marketing and management to island, national and global business environments

### Required coursework in the BBA Foundation Component includes:

| COURSE     | Title  | Credit Hours | Prerequisite               |
|------------|--|--------------|----------------------------|
| BA200      | Principles of Financial Accounting   | 3            | BA130, MA110               |
| BA201      | Principles of Managerial Accounting  | 3            | BA200                      |
| BA210      | Basic Statistics for Business and Economics  | 3            | BA110, BA130, MA110        |
| BA240      | Management of Organizations  | 3            |                            |
| BA241      | Human Resource Management  | 3            | Placement in EN111 & MA110 |
| BA260      | Fundamentals of Marketing  | 3            |                            |
| PA233      | Impact of Government Regulatory Admin on Business  | 3            |                            |
| BA310      | Applied Statistics for Business Decisions  | 3            | BA210, BA240               |
| BA320      | Basic Business Finance   | 3            | BA201, BA210               |
| BA330      | Info. Technology and Networks for Business   | 3            |                            |
| Choice of: | BA333 Mgmt. Info. Systems <u>OR</u> BA380 E-Business (required for Marketing major)  | 3            | BA240, BA330               |
| Choice of: | BA252 International Tourism <u>OR</u> BA341 Int'l Business Environment <u>OR</u> BA420 International Corporate Finance <u>OR</u> BA460 International Marketing Based on Concentration Requirements | 3            | varies with course         |
| LW442      | Business Law I   | 3            |                            |



|       |                           |   |                       |
|-------|---------------------------|---|-----------------------|
| BA440 | Organizational Behavior   | 3 | BA240,<br>SO101/PY101 |
| PA405 | Ethics in the Professions | 3 |                       |

## ENTREPRENEURSHIP CONCENTRATION

|            |  |           |                    |
|------------|--|-----------|--------------------|
| Choice of: | BA441 Operations and Project Management <u>OR</u><br>BA481 Practical Applications in Small Business/ Entrepreneurship <u>OR</u><br>BA482 Business/ Research Internship | 3         | varies with course |
| BA480      | Business Strategy and Policy   | 3         | graduating senior  |
|            | <b>Total</b>   | <b>51</b> |                    |

| Course    | Title  | Credit Hours | Prerequisite        |
|-----------|--|--------------|---------------------|
| BA242     | Entrepreneurship and Innovation                              | 3            | BA110               |
| BA342     | Entrepreneurship: Issues and Solutions in Business Start-Ups | 3            | BA240,<br>BA242     |
| BA446     | Entrepreneurship: New Venture Creation                       | 3            | BA242,<br>BA342     |
| Choice of | Upper division elective to business specialty                | 3            | Approved by Advisor |
|           | <b>Total</b>   | <b>12</b>    |                     |

For upper division accounting, taxation and law courses, student must have a grade of "C" or better for each course.

### CONCENTRATION OPTIONS WITHIN THE BBA DEGREE

Students are required to complete twelve (12) semester credit hours selected from a BBA Concentration. In this component, students develop additional expertise in one area of their business education.

By the end of their second year, students select one of the following Concentrations: (i) Entrepreneurship (ii) Finance and Economics; (iii) Human Resource Management; (iv) International Tourism & Hospitality Management; or (v) Marketing or (vi) a Custom Designed Concentration approved by an SBPA faculty advisor and the Dean.

Coursework in the BBA Concentration is meant for upper-division juniors and seniors and is typically taken during the student's final two years at the University.

The School intends that its students achieve the following learning outcomes from the BBA Concentration component. Successful students will:

- Develop a command of the concepts, practices, and institutions of a business field or area of interest
- Show management, decision-making and problem-solving capabilities in a business field or area of interest
- Possess the skills required by island and regional businesses for entry-level jobs in a field
- Expand their network of professional contacts through the opportunity to participate in conferences, seminars, and/ or student and business organizations.

## FINANCE AND ECONOMICS CONCENTRATION

The Finance and Economics Concentration is for students interested in further graduate study and professional careers in fields such as financial analysis and management, treasury, cash management, risk management, economic analysis and policy-making, and planning. Jobs in these fields are found in many different types of business firms and at various levels of government. This Concentration is also for students interested in specialized industries such as banking, brokerage, insurance, personal financial planning and real estate. Although the emphasis is on profit-oriented organizations, the principles and concepts developed are also applicable to not-for-profit and autonomous government organizations. Finance and Economics courses stress general management concerns with particular emphasis on economic, financial and quantitative analysis. Students are developed to think logically about problems, to understand how markets and economic/ financial institutions operate, and to see the interrelationships among consumers, businesses and governments. Students are provided with applied concepts, tools and techniques for formulating decisions and policies.

Requirements for Students Selecting the Finance and Economics Concentration include:

| Course     | Title                                      | Credit Hours | Prerequisite |
|------------|--|--------------|--------------|
| BA323      | Corporate Finance                          | 3            | BA320        |
| Choice of: | Two electives selected from the following: | 6            |              |
|            | BA311 Intermediate Macroeconomic Theory    |              | BA210        |
|            | BA312 Intermediate Microeconomic Theory    |              | BA210        |
|            | BA321 Money and Banking                    |              | BA110        |
|            | BA322 Personal Financial Planning          |              |              |
|            | BA421 Investments and                      |              | BA320        |



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|       |  |           |                     |
|-------|--|-----------|---------------------|
|       | Real Estate<br>BA -9- Special Courses in<br>Economics/Finance<br>GE321 Economic<br>Geography |           | Advisor<br>approval |
| BA410 | Managerial Economics   | 3         | BA310               |
|       | <b>Total</b>   | <b>12</b> |                     |

## HUMAN RESOURCES MANAGEMENT CONCENTRATION

Students with this interest would benefit from a General Education course in Psychology or Sociology as well as BA241 Human Resource Management and BA440 Organizational Behavior in the BBA Foundation.

In addition, students must take BA420 International Corporate Finance from the BBA Foundation.

## MARKETING CONCENTRATION

The Marketing Concentration is for students interested in further graduate study and professional careers in fields such as advertising, market research, selling and sales management, distribution, international marketing, services marketing and marketing management. Although the emphasis is on profit-oriented organizations, the principles and concepts developed are also applicable to not-for-profit and autonomous government organizations. Marketing cuts across products and services, consumer and business markets, domestic and global boundaries, and traditional and electronic business environments. Key concepts include identifying customer needs and wants, developing products and services to satisfy these needs and wants, establishing channels and communications to move products and services through intermediaries to end users, and monitoring transactions and customer responses to guide future activities.

Requirements for students selecting the Marketing Concentration include:

| Course     | Title                                      | Credit Hours | Prerequisite     |
|------------|--|--------------|------------------|
| Choice of: | Two electives selected from the following: | 6            |                  |
|            | BA361 Consumer Behavior                    |              | BA260            |
|            | BA363 Advertising and Sales Promotion      |              | BA260            |
|            | BA461 Marketing Channels Management        |              | BA260            |
|            | BA -9- Special Courses in Marketing        |              | Advisor Approval |
| BA462      | Marketing Research                         | 3            | BA260,<br>BA310  |
| BA463      | Marketing Management                       | 3            | BA260,<br>Senior |
|            | <b>Total</b>                               | <b>12</b>    |                  |

In addition, students must take BA460 International Marketing from the BBA Foundation.

| Course     | Title   | Credit Hours | Prerequisite           |
|------------|---|--------------|------------------------|
| BA345      | Managing the Employee and Work Environment        | 3            | BA241 or consent       |
| BA443      | Compensation, Benefits and Performance Evaluation | 3            | BA241 or consent       |
| BA444      | Staffing and Employee Development                 | 3            | BA241 or consent       |
| Choice of: | An elective selected from the following courses:  | 3            |                        |
|            | CF309 Prevention Programming for Youth at Risk    |              | PY101/SO101 or consent |
|            | PA403 Public Personnel Administration             |              |                        |
|            | SO344 Aging: Myth and Realities                   |              | SO101 or consent       |
|            | SO360 Social Movements and Change                 |              | SO101 or consent       |
|            | <b>Total</b>                                      | <b>12</b>    |                        |

| Course     | Title   | Credit Hours | Prerequisite           |
|------------|---|--------------|------------------------|
| BA345      | Managing the Employee and Work Environment        | 3            | BA241 or consent       |
| BA443      | Compensation, Benefits and Performance Evaluation | 3            | BA240 or consent       |
| BA444      | Staffing and Employee Development                 | 3            | BA240 or consent       |
| Choice of: | An elective selected from the following courses:  | 3            |                        |
|            | CF309 Prevention Programming for Youth at Risk    |              | PY101/SO101 or consent |
|            | PA403 Public Personnel Administration             |              |                        |
|            | SO344 Aging: Myth and Realities                   |              | SO101 or consent       |
|            | SO360 Social Movements and Change                 |              | SO101 or consent       |
|            | <b>Total</b>                                      | <b>12</b>    |                        |

## INTERNATIONAL TOURISM & HOSPITALITY MANAGEMENT CONCENTRATION

The International Tourism & Hospitality Management Concentration is for students interested in the opportunities provided by the tourism and hospitality industries. This includes the management and operation of tourism attractions, hotel accommodations and restaurants, tour companies and related businesses (e.g., wholesale/ retail enterprises, transportation companies, and government regulatory and promotion agencies that serve the international traveler). When armed with the skills and knowledge obtained through the BBA Foundation courses and a specialized internship, students in this Concentration will have the opportunity to pursue their preferred area of expertise in tourism and hospitality management. Since the Concentration combines academic and applied experiences, students are expected to engage in an internship during the beginning of their senior year.

Requirements for the Tourism & Hospitality Management Concentration include:

| Course       | Title   | Credit Hours | Prerequisites                                      |
|--------------|---|--------------|--|
| Choice of:   | An elective selected from the following<br>BA150 Intro to Hospitality or<br>BA251 Guam's Tourism Product  | 3            |  |
| Choice of    | An elective selection from the following<br>BA350 Hotel Management<br>BA352 Food and Beverage Management<br>BA450 Tourism Research and Market Development<br>BA -9- Special courses in International Tourism and Hospitality Management | 3            | BA240<br>BA240<br>BA260, BA350<br>Advisor approval |
| BA451        | Tourism/Hotel Internship  | 3            |  |
| BA453        | Tourism Policy, Planning and Development  | 3            | BA240  |
| <b>Total</b> |   | <b>12</b>    |  |

In addition, students must take BA252 International Tourism from the BBA Foundation.

## CUSTOM-DESIGNED CONCENTRATION

The Custom-Designed Concentration is for students interested in an individualized learning plan that complements the fundamental skills developed in the BBA Foundation. For any number of personal or professional reasons, students select twelve (12) upper-division, semester credit hours of their own choosing to fulfill the requirements of this Concentration. The design possibilities are almost endless, since the courses may come from either SBPA or any other school in the University. The only rule is: Students choosing the Custom-Designed Concentration must complete twelve (12) semester credit hours of upper-division University Of Guam courses approved by an SBPA faculty advisor and the Dean that do not overlap with the General Education, BBA Foundation, or Upper-Division Free Electives components.

*Example 1: SBPA students may have an interest in international business.*

Students with this interest would benefit from the General Education courses in international and regional studies. They would select a Custom-Designed Concentration such as the following to further develop their interest:

| Course       | Title  | Credit Hours | Prerequisites      |
|--------------|--|--------------|--------------------|
| BA341        | International Business Environment                               | 3            |                    |
| BA420        | International Corporate Finance                                  | 3            | BA320              |
| BA460        | International Marketing  | 3            | BA260              |
| ----         | A course from SBPA or another school with an international focus | 3            | varies with course |
| <b>Total</b> |  | <b>12</b>    |                    |

In addition, students would take BA252 International Tourism from the BBA Foundation.

*Example 2: SBPA students may have an interest in technology and e-commerce.*

*Students with this interest should contact the faculty advisor concerned for designing a course plan for them.*

*Example 2: SBPA students may have an interest in a combination of business and science*

Students would choose the Custom-Designed Concentration perhaps selecting twelve (12) upper-division, semester credit hours from the College of Liberal



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Arts and Social Sciences and/ or College of Natural and Applied Sciences to further develop their interest.

### REQUIRED UPPER-DIVISION FREE ELECTIVES FOR THE BBA DEGREE

Students must complete six (6) semester credit hours selected from any upper-division, non-business course (i.e., the course cannot begin with BA). As there is no other requirement for this component, students have a wide range of courses from which to select.

The School intends that its students achieve the following learning outcome from the Upper-Division Free Electives Component. Successful students will investigate topics of personal interest that contribute to their lifelong learning.

### BACHELOR OF SCIENCE IN CRIMINAL JUSTICE DEGREE PROGRAM (BSCJ)

The Criminal Justice Program is designed as an interdisciplinary study drawing from legal studies, mathematics, psychology, business and public administration. Graduates qualify to hold management and administrative positions within the criminal justice system, i.e., corrections, customs, judiciary, police, etc. The program requires sixteen (16) courses with each course completed in the sequence specified by advisors. In order to meet individual needs and interests, students may draw from several courses to complete their required electives. Students must earn a grade of "C" or better in all major coursework.

#### Criminal Justice Program Learning Goals:

- Goal 1: Demonstrate a general understanding of the various roles of criminal justice professions in the public and private sectors;
- Goal 2: Demonstrate leadership and teamwork skills;
- Goal 3: Demonstrate critical thinking and analytical skills in solving real world problems in criminal justice;
- Goal 4: Demonstrate a sufficient real world understanding of law and public policy process;
- Goal 5: Demonstrate proficiency in information technology, and communication skills, etc.;
- Goal 6: Demonstrate an understanding of local, regional and global environments and their relevance to criminal justice;
- Goal 7: Demonstrate an understanding of ethical, professional, and socially responsible behavior.

For Business Administration majors, upper division Legal Studies (LW) and Public Administration (PA)

courses may be used to fulfill upper division elective requirements outside SPBA.

### SUMMARY OF REQUIREMENTS FOR THE BSCJ DEGREE

|  |            |
|--|------------|
| General Education Requirements                   | 55         |
| Criminal Justice Major Requirements              | 48         |
| Criminal Justice Electives                       | 18         |
| General Electives                                | <u>3</u>   |
| <b>Requirement for Graduation (credit hours)</b> | <b>124</b> |

### CRIMINAL JUSTICE MAJOR REQUIREMENTS

| Course | Title  | Credit Hours | Prerequisite       |
|--------|--|--------------|--------------------|
| BA130  | Intro. to Computer Ops   | 3            | MA085-II placement |
| LW101  | Intro. to Criminal Justice                                     | 3            | None               |
| LW202  | Trial and Evidence   | 3            | None               |
| LW306  | Criminal Law   | 3            | None               |
| LW311  | Correctional Security Mgmt. and Admin.                         | 3            |                    |
| LW402  | Constitutional Law   | 3            |                    |
| LW404  | Administration and Management of Criminal Justice Organization | 3            |                    |
| LW409  | Problems in Criminal Justice                                   | 3            | None               |
| PA305  | Data Analysis in Public Administration                         | 3            | BA130,             |
| PA201  | Public Admin. in Guam and in the Western Pacific               | 3            |                    |
| PA210  | Public Admin. and Management: Concepts and Applications        | 3            |                    |
| PA233  | Impact of Government Regulatory Administration Business        | 3            |                    |
| PA304  | Government Public Information                                  | 3            |                    |
| PA303  | Government Finance   | 3            |                    |
| PA403  | Public Personnel Administration                                | 3            |                    |
| PA405  | Leadership Ethics in the Professions                           | 3            |                    |
|        |  | <b>48</b>    |                    |

**Electives (18 credit hours):** to be approved by Legal Studies advisors.

### BACHELOR OF SCIENCE IN PUBLIC ADMINISTRATION DEGREE PROGRAM

The Bachelor of Science in Public Administration (BSPA) is designed to equip students with professional competencies to accomplish managerial tasks and organizational objectives in public and not-for-profit organizations. Students enrolled in the BSPA. Degree program study the various roles of professional managers in the public service; develop leadership and analytical



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skills, study policy-making processes; and learn the techniques of sound public sector management. The program provides special attention and sensitivity to cultural and social issues in the Western Pacific and Asian region and an understanding of their relevance to public administration. Students must earn a grade of "C" or better in all major coursework.

**Public Administration Program Learning Goals:**

- Goal 1: Demonstrate a general understanding of the various roles of professional managers in the public and nonprofit sectors;
- Goal 2: Demonstrate leadership and teamwork skills;
- Goal 3: Demonstrate critical thinking and analytical skills in solving real world problems in public administration;
- Goal 4: Demonstrate a sufficient real world understanding of public policy process;
- Goal 5: Demonstrate proficiency in information technology, and communication skills, etc.;
- Goal 6: Demonstrate an understanding of local, regional and global environments and their relevance to public administration;
- Goal 7: Demonstrate an understanding of ethical, professional, and socially responsible behavior.

For Business Administration majors, upper division Legal Studies (LW) and Public Administration (PA) courses may be used to fulfill upper division elective requirements outside SPBA.

**SUMMARY OF REQUIREMENTS FOR THE BSPA DEGREE**

|  |            |
|--|------------|
| General Education Requirements                   | 55         |
| Foundation Courses                               | 27         |
| Public Administration Major Requirements         | 21         |
| Required Electives within SBPA                   | 15         |
| General Electives                                | <u>6</u>   |
| <b>Requirement for Graduation (credit hours)</b> | <b>124</b> |

**PUBLIC ADMINISTRATION FOUNDATION COURSES**

| Course | Title  | Credit Hours | Prerequisite       |
|--------|--|--------------|--------------------|
| BA130  | Intro. to computer Ops.                          | 3            | MA085-II placement |
| BA230  | Data Processing and Data Admin. or               | 3            | BA130 and MA110**  |
| BA330  | Information Technology and Networks for Business | 3            | BA130              |
| BA252  | International Tourism                            | 3            | BA240              |
| BA260  | Fundamentals of Marketing                        | 3            |                    |

|              |  |           |                     |
|--------------|--|-----------|---------------------|
| BA303        | Governmental Accounting for Non-Accounting Majors        | 3         |                     |
| LW402        | Constitutional Law                                       | 3         |                     |
| MA385        | Applied Statistics                                       | 3         | MA151 or equivalent |
| PA305        | or Data Analysis in Public Administration                | 3         | BA130               |
| PA201        | Public Administration in Guam and in the Western Pacific | 3         |                     |
| PA215        | Supervision in Government Organizations                  | 3         |                     |
| <b>Total</b> |  | <u>27</u> |                     |

**PUBLIC ADMINISTRATION MAJOR REQUIREMENTS (Total: 21 credit hours)**

| Course       | Title   | Credit Hours | Prerequisite |
|--------------|---|--------------|--------------|
| PA210        | Public Administration and Management Concepts and Application | 3            |              |
| PA233        | Impact of Government Regulatory Admin. on Business            | 3            |              |
| PA303        | Government Finance  | 3            |              |
| PA402        | Public Admin. and public Policy                               | 3            |              |
| PA403        | Public Personnel Admin.                                       | 3            |              |
| PA405        | Leadership Ethics in the Professions                          | 3            |              |
| PA420        | Public Finance and Fiscal Policy                              | 3            |              |
| <b>Total</b> |   | <u>21</u>    |              |

Required Electives within SBPA (15 credit hours): To be approved by Public Administration advisors.

**PUBLIC ADMINISTRATION MINOR REQUIREMENTS (Total: 18 credit hours)**

| Course       | Title  | Credit Hours | Prerequisite |
|--------------|--|--------------|--------------|
| PA210        | Public Admin. and Management: Concepts and Applications    | 3            |              |
| PA233        | Impact of Government Regulatory Administration of Business | 3            |              |
| PA303        | Government Finance   | 3            |              |
| PA403        | Public Personnel Administration                            | 3            |              |
| PA405        | Leadership Ethics in the Professions                       | 3            |              |
| PA420        | Public Finance and Fiscal Policy                           | 3            |              |
| <b>Total</b> |  | <u>18</u>    |              |

## CERTIFICATE AND SPECIAL INSTRUCTION PROGRAMS

There are a number of professional certificate programs offered by the School of Business and Public Administration. The purpose of these programs is to extend student learning in various specialized fields and when designated, are developed in accordance with professional standards set by credentialing agencies. See the following program descriptions for information about advisement, admission and course requirements. Advisement is strongly encouraged by the faculty of the contributing certificate/special instruction program.

### MINOR/CERTIFICATE IN HEALTH SERVICES ADMINISTRATION

**(Total: 18 credit hours)**

The populations of Guam and the Western Pacific are changing and with it the need for health services. Health care on Guam is provided by the local government via the Department of Public Health and Social Services, the Guam Memorial Hospital, the Department of Mental Health and Substance Abuse and to some extent the Department of Vocational Rehabilitation; through the growing number of private providers; and through the Naval Hospital and other military connected clinics. Health care in the Western Pacific is provided by rural clinics and central government hospitals. There are few private health providers in the Western Pacific Island nations. The minor in Health Services Administration provides the people of Guam and in the region with the opportunity to pursue a career in the administration of health services. Although, health care is a business like any other, it has unique special components, which either dictate or impact on administrative and managerial decisions. Health Services Administration minor provides a solid theoretical and practical grounding through the process of formal education.

The minor/certificate in Health Services Administration is open to all majors in the School of Business and Public Administration and in other degree programs of the University. It requires the completion of 18 credit hours of specialized courses. Students must earn a grade of C or better in the required courses listed below.

| Course | Title                                       | Credit Hours | Prerequisite |
|--------|---|--------------|--------------|
| PA206  | Public Health and Disease Mgmt              | 3            | None         |
| PA207  | The Administration of Public Health Systems | 3            | None         |
| PA210  | Public Administration & Mgmt. Concepts      | 3            | None         |

|              |                                      |           |      |
|--------------|--------------------------------------|-----------|------|
| PA306        | Health Care Planning & Evaluation    | 3         | None |
| PA307        | The Economics of Health Care         | 3         | None |
| PA405        | Leadership Ethics in the Professions | 3         | None |
| <b>Total</b> |                                      | <b>18</b> |      |

### MINOR/CERTIFICATE PROGRAM PARALEGAL STUDIES

**(Total: 30 credit hours)**

The primary objective of this program is to provide the residents of Guam, Micronesia, and the Western Pacific with an opportunity to pursue a professional career in law through the paralegal minor and certificate offered at the University of Guam.

The second objective of the program is to build a supportive relationship with the Guam Legal, business, public administration and criminal justice communities.

This minor/certificate will allow students with any major at the University of Guam to have a viable professional career option in the legal studies field upon graduation. This certification program is also an excellent opportunity for students to develop key skills needed in law school.

Admission Criteria (Applicants must meet one of the following):

- Bachelor's Degree; or
- Current Bachelor's Student; or
- Current employee with at least two years of experience with an approved firm or agency related to the legal profession (legal secretaries or governmental agency employees in related fields).

| Course            | Title  | Credit Hours | Prerequisite         |
|-------------------|--|--------------|----------------------|
| LW101             | Introduction to Criminal Justice                 | 3            | None                 |
| LW106             | Personal Law                                     | 3            | None                 |
| LW110             | Introduction to the Paralegal Profession         | 3            | None                 |
| LW120             | Legal Investigation and Technical Report Writing | 3            | None                 |
| LW285             | Legal Reasoning, Research and Report             | 3            | None                 |
| LW330             | Contracts and Torts                              | 3            | None                 |
| LW360             | Administrative Procedure                         | 3            | None                 |
| LW380             | Criminal and Civil Procedure                     | 3            | None                 |
| LW298/<br>398/498 | Legal Studies Internship.                        | 3            | Instructor's consent |
| PA405             | Leadership Ethics in the Professions             | 3            | None                 |
| <b>Total</b>      |  | <b>30</b>    |                      |

## PRE-LAW CURRICULUM

Students interested in pursuing a legal career may follow a major of their choice. There is no formal pre-law major. Law schools do not require or encourage such a major. Majors most commonly chosen are Political Science, Business, English, History, Public Administration, Philosophy, and Psychology. In fulfilling requirements in their major fields, students seeking entry to law school may want to consider the courses listed below. In addition, pre-law advisors on the Political Science and School of Business and Public Administration faculty will assist students to prepare for the Law School Admission Tests and law school applications.

### SUGGESTED PRE-LAW COURSES

#### Humanities:

| Course | Title                                | Credit Hours | Prerequisite    |
|--------|--------------------------------------|--------------|-----------------|
| CO340  | Persuasion                           | 3            | CO210           |
| EN319  | Advanced Composition                 | 3            | EN111           |
| HI201  | Early America I                      | 3            |                 |
| HI202  | Modern America                       | 3            |                 |
| PA405  | Leadership Ethics in the Professions | 3            | Senior Standing |
| PI210  | Introduction to Logic                | 3            |                 |

#### Natural Sciences and Math:

| Course     | Title                   | Credit Hours | Prerequisite          |
|------------|-------------------------|--------------|-----------------------|
| BI157-157L |                         |              |                       |
| BI158-158L | Principles of Biology   | 8            |                       |
| MA151*     | Introductory Statistics | 3            | MA085-II or Placement |

#### Business:

| Course | Title                               | Credit Hours | Prerequisite                      |
|--------|-------------------------------------|--------------|-----------------------------------|
| BA200* | Principles of Financial Accounting  | 3            |                                   |
| BA201* | Principles of Management Accounting | 3            | BA200 with grade of "C" or better |
| BA110  | Principles of Economics             | 3            |                                   |
| BA130  | Introduction to Computer Operations | 3            |                                   |

#### Social Science:

| Course | Title                            | Credit Hours | Prerequisite                   |
|--------|----------------------------------|--------------|--------------------------------|
| PS101  | Intro to Government and Politics | 3            |                                |
| PS202  | Government in the United States  | 3            |                                |
| PS420  | International Law                | 3            | PS215 or consent of instructor |

#### Legal Studies:

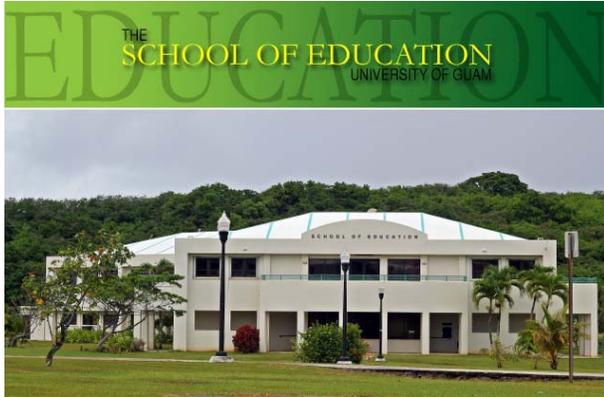
| Course | Title                                    | Credit Hours | Prerequisite    |
|--------|--|--------------|-----------------|
| LW101  | Intro to Criminal Justice                | 3            |                 |
| LW202  | Personal Law                             | 3            |                 |
| LW306  | Criminal Law                             | 3            |                 |
| LW311  | Correctional Security and Administration |              |                 |
| LW402  | Constitutional Law                       | 3            | Senior Standing |

\*Meets General Educational Requirements

\*\*Meets B.B.A. Foundation Course Requirements



## SCHOOL OF EDUCATION



The major mission of the School of Education is the provision of pre-service teacher education to meet the multicultural educational demands of the island's educational system as well as providing for the region as a whole. The emerging challenges brought about by social, economic, and political changes within the region have created a need to expand the School's ability to deliver appropriate instruction and related educational services. Thus, an integral part of the School's mission is becoming the academic, research, and service resource center for Guam and the greater Micronesian areas.

The School of Education provides initial preparation and continuing education opportunities to aspiring teachers, and other professional personnel engaged in educational activities on Guam, the Western Pacific region and the U.S. mainland. These purposes are accomplished primarily through classroom instruction and related practicum activities monitored and coordinated by the teaching faculty.

School requirements presently meet teacher certification requirements for Guam, the Commonwealth of the Northern Mariana Islands, the Federated States of Micronesia, the Republic of the Marshalls, the Republic of Palau and many U.S. states. Students are responsible for becoming familiar with certification requirements of the geographic areas in which they plan to seek employment. Students need to be aware that certification requirements change and that it is the student's responsibility to be aware of changing standards for certification.

Programs to prepare candidates for teacher certification in elementary, secondary, second language elementary, special education and Chamorro language and culture teaching specialty provided by the University of Guam School of Education are accepted by the Guam Commission on Educator Certification (GCEC).

## DEGREE PROGRAMS

Bachelor of Arts, Education (B.A.)  
 Master of Arts, Counseling (M.A.)  
 Master of Education (M.Ed)  
 Master of Arts in Teaching (Secondary) (MAT)

### ADMISSION AND OTHER PROGRAM REQUIREMENTS

All undergraduate students may take 100 and 200 level Education (ED) courses. Enrollment in 300 and 400 level Education courses requires admission into the School of Education.

Admission Deadlines:  
 October 01–Spring  
 March 01 - Fall

Those with a bachelor's degree or higher seeking certification only must also be admitted into the School of Education.

### REQUIREMENTS FOR ADMISSION OF EDUCATION STUDENTS

Student must submit an application for admission to the School of Education that includes a LiveText portfolio demonstrating that he/she has the knowledge, skills and dispositions necessary for success as a teacher candidate:

- Praxis I Reading, Writing and Math scores that meet the Guam Commission for Educator Certification requirement
- Completion of a minimum of 54 semester hours including the following courses: **Major Requirements:** ED110, ED192, ED201, and ED271.

**General Education Requirements:** EN110, EN111, CO210, one science course, MA110 or higher, MA151, PY101. ED 265 is encouraged as part of the general education coursework.

- A cumulative grade point average (GPA) of 2.7 or higher.
- Three School of Education Disposition Rubrics to be completed by two School of Education faculty and one content area faculty
- An electronic portfolio demonstrating competence in the INTASC standards. Evidence of competence (artifacts) can come from graded work in SOE courses, Gen Ed courses, content major courses, and university or community service. At least eight artifacts must be submitted.

The Admissions Committee will review all documents and make a recommendation to the Dean to approve or deny admission. The action will be binding unless successfully appealed. Within four weeks of submission, a letter from the Dean will be sent to each applicant and their program informing them of the decision.

In case of denied admission, the applicant must re-apply by submitting a new application for admission.

Prior to Student Teaching/Internship all teacher candidates must take the following Praxis tests and pass with a score as set by the Guam Commission for Educator's Certification (GCEC):

- Praxis II Content Knowledge/Subject Assessment and
- Praxis II Principles of Learning and Teaching: K-6, or  
Praxis II Principles of Learning and Teaching: 7-12

### Individual Degree Plan (IDP)

An official IDP is defined as an Individual Degree Plan appropriately signed by the School of Education designee and the Registrar, Admissions & Records. Holders of an official Individual Degree Plan (IDP) will be granted admission to the School of Education if they can fulfill the following requirements:

- Have a GPA of 2.7 or more for all earned credits,
- Have at least 40 semester hours of credit acceptable to the University of Guam, and
- Have the consent of the Program Coordinator and the approval of the Dean, School of Education.

### ADVISEMENT

The School of Education is responsible for the academic advisement of any of the following students: Pre-Education or Education majors; those who plan to work toward teacher certification; or those who are on an Individualized Degree Plan (IDP). All students should read this catalog carefully as it is the authority on degree requirements.

An advisement portfolio, to be kept in the School of Education Administration Office, will be developed and maintained by each student. It will be used as a basis for assessment and advisement throughout the teacher education experience and will be closely monitored at major decision points such as admission to candidacy, student teaching, and graduation.

All students working toward a Bachelor of Arts in Education degree must complete the General Education Program as required by the University. Students seeking degrees in the School of Education should familiarize themselves with the General Education regulations in this catalog.

Students are advised to check with their advisor concerning specific recommendations of their major; for example, certain major areas strongly recommend or require specific General Education courses as a part of the major. (Early commitment to a major or combination of majors leads to more efficient progress).

### GRADING SYSTEM

The letter grade system is used in all courses except for ED192 which is graded Pass (P) or Fail(F). Grading for ED 292, 392, ED492 and ED498 will follow the letter grade system.

Required Grade Point Average (GPA) for School of Education Graduates: All Undergraduate School of Education majors must have an overall cumulative grade point average of 2.7 in order to graduate with a Bachelor of Arts in Education degree.

Grade Requirement for Education Courses for SOE Majors: A grade of "C" or better must be earned by SOE undergraduate majors in all SOE courses. Secondary major students must maintain a grade of "C" or better in all relevant content areas.

## ADMINISTRATION

The School of Education Administration Office is located on the first floor of the School of Education Building, Suite 119. Correspondence with the School of Education can be directed to:

Dean, School of Education  
University of Guam  
UOG Station  
Mangilao, Guam 96923  
Phone: 735-2444/2476 Fax: 734-3651  
Email: jsanchez@uguamlive.uog.edu



## **BACHELOR OF ARTS IN EDUCATION DEGREE PROGRAM**

The common attributes of each major include the following:

1. Students receive training that is particularly relevant to Guam and Micronesia.
2. Students are encouraged to be involved in practicum during each year of preparation to be culminated by the student teaching experience.
3. Students may be assigned independent study projects.
4. Students are provided a foundation for later graduate work.

## **THE ACADEMIC AFFAIRS COMMITTEE OF THE SCHOOL OF EDUCATION**

The academic quality of program offerings within the School of Education is monitored by the Academic Affairs Committee (AAC). SOE programs/units are designed to meet the needs of public education and focus on teaching, practice, in-service, and research programs to prepare educators in both the pre-service and in-service areas at both the undergraduate and graduate levels.

The Academic Affairs Committee works with the SOE Advisory Council composed of the educational leadership from the public and private schools, as well as related service agencies such as mental health and public health.

## **PROGRAM DESCRIPTIONS AND REQUIREMENTS**

The courses of instruction offered by the School of Education are organized into undergraduate and graduate levels in a developmental sequence that promotes the acquisition of knowledge and competencies at increasingly complex levels and in important areas of specialization.

There are two categories of student status at the undergraduate level: Pre-Education and Teacher Candidate. During the freshman and sophomore years, students who are interested in investigating and understanding teaching as a career can explore their interest as a Pre-Education major. Through interactions with School of Education advisors, students plan an initial course of study and participate in entry-level experiences with these goals in mind. The School of Education encourages interested students to explore the teaching profession through actual involvement in school classrooms beginning in the freshman year. These experiences help students to become familiar with pupils' attitudes, values and abilities. Additionally, they provide

an increasingly important opportunity to acquaint interested students with pupils from diverse cultural environments and schools at a variety of levels. These early experiences assist interested students in making an informed decision about their further participation in the program as a Teacher Candidate. Admission to teacher candidacy typically comes at the beginning of the junior year. A formal application is required during the sophomore year. During the junior and senior years, students gain detailed experiences and training in their specific program area.

The student teaching assignment (ED492 or PE492a and PE492b) in the senior year is the culminating experience of the teacher education program. The student is placed with a master teacher at the appropriate level where he/she is guided through an induction period of observation, a period of participation and observation and a final period of increasing responsibility for teaching full-time during his/her hours at school. Faculty members of the School of Education provide supervision and assistance to the student teacher.

All students must take two Praxis II tests and pass with a score as set by the Guam Commission for Educator's Certification (GCED):

1. Praxis II Content Knowledge/Subject Assessment and
2. Praxis II Principles of Learning and Teaching: K-6, or  
Praxis II Principles of Learning and Teaching: 7-12.

Scores must be presented prior to acceptance for student teaching or internship.

Because of the importance of the student teaching experience, there are specific requirements for admission. Candidates for student teaching must contact the Office of the Field Experience Coordinator in the semester preceding student teaching to be apprised of the various requirements and to submit materials and information required prior to acceptance into the student teaching experience. Students are cautioned about the need to concentrate their full resources during the student teaching semester on student teaching. Students are not allowed to carry an overload as student teaching is a full time job. Students are urged to review the contents of the Student Teaching Handbook available from the Office of the Field Experience Coordinator prior to enrollment.



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## THE SCHOOL OF EDUCATION CONCEPTUAL FRAMEWORK

The School of Education believes that an effective educator must possess the knowledge, skills and dispositions necessary to carry out the roles of facilitator, collaborator, motivator, manager, mentor, evaluator, and change agent. The development of knowledge, skills and disposition draws from the various activities in each program intended to assist candidates to become knowledgeable scholars, effective communicators and reflective decision-makers.

### STUDENT LEARNING OUTCOMES:

Students successfully completing their degree program, and become certified educators, should be well educated individuals who possess:

1. General education knowledge and subject-matter content knowledge provided by liberal education,
2. Content and professional knowledge provided by the foundations core, and
3. Pedagogical content knowledge provided by curriculum studies and field experience, that can be integrated to create learning opportunities to meet the needs of all students. Equipped with a strong knowledge-base, educators will be able to provide learning environments that:
  - a. respect diversity, collaboration and shared responsibility, and
  - b. promote high levels of achievement and quality for all their students.

Students Learning Outcomes specific to each degree program and specialization can be viewed at [www.uogsoencate.net](http://www.uogsoencate.net)

## MAJOR IN EARLY CHILDHOOD EDUCATION

This program provides pre-service and in-service courses/programs at the undergraduate level. It provides the region with teachers who are especially able to teach preschool and primary grade children (PreK-2) in a variety of cultural environments.

The program of studies for the major in Early Childhood is designed for students who wish to enter the educational profession as teachers in preschool, primary and elementary grades. A minimum total of 128 credit hours is required.

**General Education Requirements (55 credit hours):** Each student must fulfill the General Education requirements as listed in the Academic Rules and Regulations section of this catalog. PY101 and HI211 are recommended and fulfill certain General Education Requirements.

**Professional Education Requirements (40 credit hours):** ED110, ED192, ED201, ED300, ED350, ED351, ED363, ED353, ED354, ED355, ED356, ED357, ED392, ED/LS451, and ED489.

**Specialization Requirements (24 credit hours):** ED251, ED330, ED331, ED332, ED333, ED334, ED336, ED492.

**Electives (11-20 credit hours)** An "Emphasis Area" option is available in which certification in an added area is possible. Contact an advisor in the School of Education.

## MAJOR IN ELEMENTARY EDUCATION

This program provides pre-service and in-service courses/programs at the undergraduate and graduate levels. It provides the region with teachers who are able to teach at the elementary level in a variety of cultural environments.

The program of studies for the major in Elementary Education is designed for students who wish to enter the educational profession as teachers in education programs for K-5 graders. Minimum total credit hour requirement: 131.

**General Education Requirements (55 credit hours):** Each student must fulfill the General Education requirements as listed in the Academic Rules and Regulations section of this catalog. PY101, ED265 or HI211, and ED452 are recommended and fulfill certain General Education Requirements.

**Professional Education Requirements (55 credit hours):**

**Foundation Courses** –ED110, ED201, ED300, ED451, ED489.

**Method Courses** – ED350, ED351, ED353, ED354, ED355, ED356, ED357 and ED363. Before enrollment in any methods courses, a general education content area must be successfully completed.

**Practicum Experience** – ED192 – to be taken concurrently with ED110; Students must also complete ED392 for 3 credits, and ED492/498 for 12 credits.

**Related Area Requirements (9 credit hours):** ED215, ED319, and ED486.

**Related Area Electives (9 credit hours):** ED334, ED482 or other courses in Special Education, Instructional Technology, Teaching English to Speaker of Other Languages, and Early Childhood. Courses other than Education courses may be selected upon approval of the advisor.



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**General Content Area Requirements (3 credits hours in addition to the General Education Requirements):** One class in American History: HI201, HI202, HI406, or any GE, AN, PS, SO BA/EC, LI course.

### **ELEMENTARY MAJOR WITH CHAMORRO LANGUAGE & CULTURE TEACHING SPECIALTY**

The program of studies for the Major in Elementary Education with a Chamorro Language and Culture Teaching specialty is a program that came from the specific request of the Guam Department of Education to meet the demands of the Chamorro Mandate program teachers to satisfy degree and certification requirements.

It covers all the specific requirements for the major in elementary education as well as the necessary language and culture content components for the specialty. Thus, the student in this program will also qualify to teach in the regular elementary classroom.

**General Education Requirements (55 credit hours):** Each student must fulfill the General Education requirements as listed in the Academic Rules and Regulations section of this catalog. PY101, HI211 and ED265 fulfill certain General Education Requirements and are required for Elementary majors in Chamorro Language and Culture Teaching specialty.

**Professional Education Requirements (46 credit hours):** ED110, 192, 201, 300, 350, 351 or 352, 353, 354, 356, 357, 451, 489, 492 or 498 a-b for 12 credits.

**Major Specialty Requirements: (36 credit hours):** ED265, ED481, HI211, LN300, AN333, LS319, ED385 a-b-c, AN320, HI450, LN350.

**Chamorro Language Teacher/Elementary Education:** This program provides pre-service and in-service courses/programs at the undergraduate and graduate levels. It provides teachers who are able to teach in regional Chamorro language programs at the K-5 grade level.

### **MAJOR IN SECOND LANGUAGE/ ELEMENTARY EDUCATION**

The program of studies for the Second Language/Elementary Education Major is designed for students who wish to teach in English as a second language (ESL) or Languages Other Than English (LOTE), Chamorro, or bilingual programs at the elementary level. A minimum total of 124 credit hours is required. Students completing this program will meet Elementary (K-5th) certification requirements.

Note that the language courses to acquire proficiency in a language other than English are not part of the program, but should be part of the General Education offerings selected by the student. During student teaching, the student is required to demonstrate teaching competence in two languages.

**General Education Requirements (55 credit hours):** Each student must fulfill the General Education requirements as listed in the Academic Rules and Regulations section of this catalog. PY101, ED265 or HI211 is recommended and fulfills certain General Education Requirements. For those wishing to work in Chamorro or Chamorro/English bilingual programs, CM101 and CM102 are required.

**Professional Education Requirements (39 credit hours):** ED110, 192, 201 or PY201, ED300, ED350, ED353, ED354, ED355, ED356, ED357, ED489, plus ED351 or ED486.

**Specialization Requirements (33-39 credit hours):** ED280, ED385A, ED385B, ED385C, ED480, ED481, LN300, LN385, LN400, ED492 for 12 credit hours (at least 6 credit hours in an ESL, Chamorro or bilingual/bicultural classroom). ED385a-b is required for Chamorro, Chamorro/bilingual and other second language teachers. LN385 is required for ESL, other second language and bilingual teachers.

**Electives (0-8 credit hours).** Consult an advisor.

### **MAJOR IN SECONDARY EDUCATION**

This program provides pre-service and in-service courses/programs at the undergraduate and graduate levels. It provides the region with teachers who are able to teach at the secondary level in a variety of cultural environments.

The program in Secondary Education is designed to prepare students for teaching careers in middle and senior high schools. Students seeking a degree in secondary education receive extensive training in professional education as well as preparation in a subject area(s). Students shall demonstrate their ability to teach in their respective teaching area(s). The student's program must be approved by advisors of both the teaching area and the Secondary Education Program.

**General Education Requirements (55 credit hours):** Each student must fulfill the General Education requirements as listed in the Academic Rules and Regulations section of this catalog.

**Related Area Requirements (3 credit hours):** PY202

**Professional Education Requirements (33 credit hours):** ED110, 192, 201, 300, 451, 462, 473, 489, 492 plus a methods course based on or related to the major or area of specialty.

**Specialty Requirements (30-58 credit hours):** Specialty areas must be selected from areas commonly taught in secondary schools.

An "Emphasis Area" option is available in which certification in an added area is possible. Two (2) options are available to the student majoring in Secondary Education. Students select the option that best relates to their future plans and previous experience.

**Option A. Subject Major**

Students selecting this option must complete 30-58 semester hours in a subject area as specified by another school of the University. This option stresses in-depth preparation in one subject area and leads to certification in one subject area.

**Option B. One Teaching Area of Specialty**

Students selecting this option must take a minimum of 30 specified hours in one teaching area. Students receive preparation in a subject area beyond the minimum required for certification. More subject area choices are available to students selecting this option than in Option A. Students should consult the Secondary Education Program description contained under the content area of their choice. At present, the following seven programs make up the Secondary Option "B" Programs available:

**1. Agriculture (30 credit hours)**

**Required Courses (15 credit hours):** AG101, AG281, AG211, AG380.

**Electives (15 credit hours):** Upper division courses in Agriculture

**2. Secondary Education Chamorro Language and Culture Teaching Specialty (133 credit hours)**

**Chamorro Language Teacher/Secondary Education:** This program provides pre-service and service courses/programs at the undergraduate level. It provides teachers who are able to teach in regional Chamorro language programs at the 6-12 grade level.

**General Education Requirements (55 credit hours):** Each student must fulfill the General Education requirements as listed in the Academic Rules and Regulations section of this catalog. CM101, CM102, PY101, HI211, and ED265 fulfill certain General Education Requirements and are required for Secondary majors in Chamorro Language and Culture Teaching specialty.

**Professional Education Requirements (43 credit hours):** ED110, ED192, ED201, ED220, ED280, ED300, ED351, ED451, ED462, ED481, ED489, ED492 or ED498 for 12 credits.

**Major Specialty Requirements (35 credit hours):** HI211, ED265, ED/LS319, CM201, CM202, CM494, AN320, ED385a-b-c. HI450.

**Electives (6 credit hours): Choose two of the following:** PS225, ED334, AN325 or any related courses.

**3. General Science (41-43 credit hours).**

**Required Courses (25-27 credit hours):** The student shall select three (3) complete sequences from the following:

Chemistry (8 credits): CH102-102L and CH103-103L\*  
 Physics (10 credits): PH251\*\*, PH252, PH210 & PH211  
 Geology (8 credits): NS110-110L and NS112-112L  
 Biology (8 credits): BI157-157L and BI158-158L and Science Seminar Course (1 credit hour).

**Prerequisites:** \*Proficiency at MA161a level or concurrent enrollment. \*\*MA203 or concurrent enrollment.

**Electives (16 credit hours):** The student may select a minimum of 16 upper division credit hours from the CH series, PH series, NS series or BI series of courses. Prerequisites must be observed.

**4. Consumer and Family Sciences (30 credit hours)**

**Required Courses (12 credit hours):** CF120, CF230, CF315 and CF450.

**Electives (18 CF credit hours):** At least 9 credits must be upper division.

**5. Social Studies (36 credit hours)**

**Required Courses (24 credit hours):** HI121, HI122, HI201, HI202, GE201, PS101, PS202, PS225.

**Electives (12 credit hours):** Upper division courses in history, geography and political science.

**6. Vocational/Technical Education with Emphasis Areas:**

This Option B is to prepare students for vocational/technical teaching careers in senior high schools and higher education. Students seeking a degree in Secondary Education with an Option B in a Vocational/Technical Specialty receive extensive preparation in professional education as well as training in their specialty. This is an undergraduate program in the School of Education, University of Guam to provide opportunity for students to prepare to teach Vocational Education. Candidates will transfer thirty (30) credits of approved skill course credits to

the University of Guam (from accredited institutions) and will complete the University and School of Education requirements in the areas of General Education, Professional Education and Field Requirements for the Bachelor's Degree. All programs must be approved by the Vocational/Technical Education Faculty and will include required specialized Vocational Education courses.

The emphasis areas are: Accounting, Architectural Engineering Technology, Automotive Technology, Fire Protection, Building Construction, Civil Engineering Technology, Computer Technology, Criminal Justice (Administration of Criminal Justice, Law Enforcement Administration, Corrections Administration, Industrial Security Administration), Distributive Education, Electronic Engineering Technology, Fire Science Technology, Food and Beverage Operations, Horticulture, Hotel Operations, Marketing Operations, Office Administration, Refrigeration and Air Conditioning, Secretarial Science, Supervision and Management, Tour Operations Management, Travel Agency Management and Waterworks Technology.

#### 7. English as a Second Language (39 Credit Hours)

**Required Courses (27 credit hours):** ED280, ED480, ED481, LN300, LN350, LN385, LN400, LN401, LN460.

**Electives (12 credit hours):** AN212, AN320, AN330, AN421, EN/AN333, EN213, EN319, EN470, ED444.

### MAJOR IN SPECIAL EDUCATION

The program of study for this major is designed to prepare students for entry into the field of human services for exceptional individuals with specific emphasis areas in teaching exceptional learners. This program is generic and provides basic teaching knowledge and skills applicable to individuals with disabilities. The broad instructional focus takes a life span approach to assisting the exceptional individual and family. Primary emphasis is meeting the needs of students with disabilities in inclusive classroom settings with secondary emphasis on meeting the needs of individuals with moderate to severe disabilities. Program administration presumes that graduates will work in inclusive classroom settings, resource rooms, or self-contained classrooms. Students are prepared to teach in local, regional, or U.S. Mainland schools. This broad generic baccalaureate degree is designed to prepare student to be in Special Education teaching settings and to develop a foundation for more advanced graduate level work in Special Education. The Special Education program has been nationally approved by the Council for Exceptional

Children and NCATE. Minimum total credit hours required: **131**.

**General Education Requirements (55 credit hours):** Each student must fulfill the General Education requirements as listed in the Academic Rules and Regulations section of this catalog. PY101 is required and fulfills certain general education requirement. One course in Guam history or culture is required for certification in Guam. HI211 or ED265 is recommended. (DOE requires ED489 for certification if the student is a dual major).

**Professional Education Requirements (31 credit hours):** ED110 or ED403, ED192, ED201, ED300, ED350, ED355, ED356, ED357, ED451 and two (2) other approved elementary methods courses.

**Special Education Core Requirements (39 credit hours):** ED215, ED292, ED310, ED314, ED315, ED442, ED443 ED446, ED457, and ED492.

**Special Education Electives (6 credit hours):** Choose two courses from the following: ED311, ED312, ED343, and ED483.

**By the completion of the program, teacher candidates will be able to:**

1. Understand the history, legislation, and policies related to the education of exceptional students
2. Understand developmental differences and factors that affect learning of exceptional students
3. Design and implement Individualized Education Plans and Individualized Transition Plans
4. Evaluate learning environments to allow students to function and perform to their fullest abilities
5. Plan, modify, and adapt instruction to meet the diverse needs of students
6. Use assistive technology to enhance student learning
7. Assess student learning through the use of authentic, formal, and informal assessments
8. Work with family members of exceptional students to identify appropriate resources and to provide advocacy
9. Demonstrate professional dispositions when interacting with students, colleagues, administrators, and in the community.
10. Participate in various professional organizations and attend workshops, seminars, and/or conferences at the regional, district, and national levels
11. Gain employment in Special Education at the Pk-12 levels.

## SCHOOL OF NURSING AND HEALTH SCIENCES



### MISSION

The School of Nursing and Health Sciences (SNHS) is committed to improving the health, fitness and well-being of the people of Guam and the Western Pacific. To realize this mission the School of Nursing and Health Sciences:

- 1) Delivers programs designed to prepare graduates for the nursing profession, exercise science and health promotion, and pre-physical therapy. The school provides ongoing educational development for members of the respective professions. The School fosters collaboration among the disciplines and facilitates inter-professional education.
- 2) Engages in collaborative research and creative endeavors focused on the needs of the people of Guam and the Western Pacific.
- 3) Promotes empowerment of the community through service learning.

### DEGREE PROGRAMS

Associate Degree, Nursing  
Bachelor of Science, Health Science  
Bachelor of Science, Nursing

### ADVISEMENT

Academic advisement is provided to assist students throughout their educational career as they prepare to become competent entry-level professionals. The faculty advisor monitors student progress, provides consultation in planning a course of study, and assists in problem solving with regard to classroom, clinical practice, and field course

work. The advisor serves as an “anchor person” with whom students may confer regarding any program-related problem or question.

The Nursing AASC (Admissions and Academic Standards Committee) appoints a faculty advisor to students accepted to the nursing program. The advisor is named in the letter of acceptance. Usually that relationship continues until the student graduates, withdraws, or changes majors within the University. Students who are taking courses toward nursing as a major and have not been accepted to the program will be advised by a designated nursing faculty advisor. Students should go the SNHS Administrative Office HS100 for information.

Nursing students must meet with their advisor for clearance to register for future courses. They are encouraged to meet with their advisor on a regular basis throughout the semester.

Each Health Science student is assigned an advisor, who should be consulted throughout the student's enrollment.

### CONTACTS

The Administrative office is located in Room 100 of the Health Sciences Building, Phone: (671) 735-2650/51/52, Fax: (671) 734-1203. All correspondence may be sent to the School of Nursing and Health Sciences, University of Guam, UOG Station, Mangilao, Guam 96923.

Inquiries or correspondence regarding the Nursing and Health Science Programs may be directed to:

Director of Nursing, SNHS  
University of Guam  
UOG Station  
Mangilao, Guam 96923  
Phone: (671) 735-2651  
Email: [nursing@ugam.uog.edu](mailto:nursing@ugam.uog.edu)

Correspondence with the program's professional accreditation agency can be directed to:

Accreditation Commission for Education in Nursing, Inc. (ACEN)  
3343 Peachtree Rd. NE, Suite 850  
Atlanta, GA 30326  
Phone 400-975-5000  
Web site: [www.nlnac.org](http://www.nlnac.org)

### NURSING ADMISSION REQUIREMENTS

There are two (2) entrance levels in the associate and baccalaureate degree nursing programs: Pre-nursing and

Nursing levels. Any regularly enrolled University of Guam student may apply for acceptance to the nursing program. Application packets are available at the school's administrative office (HS 100). Upon receipt of all nursing necessary documents, (AASC) reviews applications and notifies applicants by letter of their acceptance or non-acceptance to the nursing program.

**Acceptance to Pre-Nursing Level.** Students in the Pre-nursing (PRNU) major are those who have not yet completed prerequisite courses and English competency requirements (California Reading Test - CRT) for enrollment in NU202B. Pre-nursing students who are approaching the Nursing Level enrollment must submit a letter of request for admission to the Nursing (NURS) major. The letter with accompanying academic information is submitted to the nursing AASC. Refer to the admission policy and procedures in the Nursing Program Manual.

**Admission to Nursing Level.** Students in the Nursing (NURS) major are those who have completed prerequisite courses and met admissions criteria including a GPA  $\geq 2.7$  and are ready to enroll in NU202B and subsequent courses. Refer to the admission policy and procedures in the Nursing Program Manual for the admission criteria.

Based on their preferences and past academic records, Second Degree students may be accepted into the ADN or the BSN program tracks. Students with advanced medical degrees may request an evaluation for acceleration into the BSN program. Refer to admission policies and procedures for second step BSN or second degree students in the Nursing Program Manual.

## ASSOCIATE DEGREE IN NURSING PROGRAM

This nursing program is designed for students who wish to pursue a nursing degree. It is a three-year professional nursing program of study leading to an Associate Degree in Nursing (ADN) with eligibility to take the national examination for licensure as a registered nurse.

1. Graduation from high school or possession of a General Education Diploma (GED) equivalent or a practical nursing program, with a cumulative grade point average (GPA) of 2.7 or better.
2. Completion of high school chemistry (one year), biology (one year), and algebra and geometry (one year).
3. Admission to the University of Guam.
4. Submission of transcripts for evaluation by the University registrar of all previous course work

taken at other educational institutions (Unofficial college transcripts may be submitted to the Nursing Program for unofficial evaluation).

5. Application to the nursing program.
6. No misdemeanor or felony conviction.

### ADN PROGRAM MISSION

The Associate Degree Nursing Program is committed to the mission of a Land Grant university serving the people of Guam and the Western Pacific island communities. The mission of the Associate Degree Nursing Program is threefold:

1. To offer basic nursing education to the culturally and academically diverse population of the region. To realize this mission, the Associate Degree Program: provides non-nurses associate degree studies in nursing; implements, evaluates, and refines the curriculum to produce culturally competent, caring nurses who think creatively and critically, and meet national basic nursing standards.
3. To promote the use of research studies to support nursing care. To realize this mission, the Associate Degree Program encourages faculty and students to read acknowledged research and apply to research findings to nursing practice.
3. To serve the culturally diverse peoples of the region. To realize this mission, the Associate Degree Program offers continuing education in person and through distance technology; and identifies how effective leadership can contribute to raising standards, enhancing health and well-being, and promoting collegiality between providers.

**Required Support Courses:** EN110, EN111, Math GE, BI124-124L, BI125-125L, BI225-225L, CH100-100L, CH101-101L, AN101/SO101, PY101, CO210, ED201, CF231 (Total 44 credits)

**Required Nursing Courses:** NU200B, NU202B, NU203B, NU204B, NU205B, NU207B, NU214, NU302B, NU303B, NU304B, NU305B, NU308, NU309, NU310, NU326, 1 credit Special Project. (Total 48 credits)

**Optional (elective) nursing courses:** NU344, NU112, NU212, and transition courses.



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## BACHELOR OF SCIENCE IN NURSING DEGREE PROGRAM

### BSN PROGRAM MISSION

The Bachelor of Science in Nursing Program is committed to the mission of a Land Grant university serving the people of Guam and the Western Pacific island communities. The mission of the Bachelor of Science in Nursing Program is threefold:

1. To offer professional nursing education to the culturally and academically diverse population of the region. To realize this mission, the nursing program: provides non-nurses, licensed nurses, and graduate nurses undergraduate studies in nursing; implements, evaluates, and refines the curriculum to produce culturally competent, caring nurses who think creatively and critically and meet national professional nursing standards.
2. To increase the body of nursing knowledge through research and creative endeavors. To realize this mission, the nursing programs encourages faculty and students to participate in research, projects, programs, and advanced study; and conduct, and disseminate findings of research and health-related projects.
3. To serve culturally diverse people and health care providers of the region. To realize this mission, the nursing program offers continuing education and consultation locally and through distance technology; and provides leadership to raise standards, enhance health and well-being, and promote collegiality between providers.

The BSN program has 2 tracks: Basic or Generic BSN and Second Step BSN.

### GENERIC BSN (GBSN) TRACK

This nursing program is designed for students who wish to pursue a nursing degree. It is a four-year professional nursing program of study leading to a Bachelor of Science degree in Nursing with eligibility to take the national examination for licensure as a registered nurse.

1. Graduation from high school or possession of a General Education Diploma (GED) equivalent or a practical nursing program, with a cumulative grade point average (GPA) of 2.7 or better.

2. Completion of high school chemistry (one year), biology (one year), and algebra and geometry (one year).
3. Admission to the University of Guam.
4. Submission of transcripts for evaluation by the University registrar of all previous course work taken at other educational institutions (Unofficial college transcripts may be submitted to the Nursing Program for unofficial evaluation).
5. Application to the nursing program.
6. No misdemeanor or felony conviction.

**Required Support Courses for the Basic (Generic) BSN Program:** EN110, EN111, Math GE, MA151, BI124-124L, BI125-125L, BI225-225L, CH100-100L, CH101-101L, AN101/SO101, PY101, CO210, ED201, CF231 (Total 51 credits, 29 toward the 55 University GEs)

**Required Nursing Courses:** NU200B, NU202B, NU203B, NU204B, NU205B, NU207B, NU214, NU302B, NU303B, NU304B, NU305B, NU308, NU309, NU310, NU403, NU412, NU415, NU416, NU418, NU419, NU420 (Total 63 credits)

**Optional (elective) nursing courses:** NU/AN/SO344, NU112, NU212, and Transition courses.

|                          |                 |
|--------------------------|-----------------|
| University GEs           | 55 credits      |
| Required Support Courses | 18 (+29 of GEs) |
| Required Nursing Courses | 63              |
| <b>Total</b>             | <b>136</b>      |

### SECOND-STEP BSN (SSBSN) TRACK

The Second-Step track is designed for nurse graduates of diploma or associate degree programs. Its purpose is to expand the breadth and depth of basic nursing knowledge and promote leadership in community, mental health, school health and nursing research. The program is designed to meet the needs of the more mature, employed student.

#### Admission to the Second-Step BSN Track:

Prior to admission to the Second Step BSN Program, the student must meet the following:

1. Completion of prerequisite courses - EN111, nutrition, microbiology, anatomy and physiology, and chemistry and/or equivalent courses.
2. California Reading Test (CRT) with a total score of 12.0 or better



3. GPA of 2.5 or C or better for transfer credits
4. Schedule to take the National League for Nursing Acceleration Challenge Examinations (ACE) administered by the nursing program.
5. No misdemeanor or felony convictions

**Required Support Courses for the SSBSN track:** EN110, EN111, MA151, BI124-124L, BI125-125L, BI225-225L, CH100-100L, CH101-101L, AN101/SO101, PY101, CO210, CF231, ED201 (Total 44 credits, 26 toward the 55 University GEs)

**Required Nursing Courses:** NU300S, NU306S, NU307S, NU308, NU309, NU310, NU324S, NU325S, NU403, NU412, NU415, NU416, NU418, NU419, NU420 (Total 51 credits)

**Optional Nursing Courses:** NU112, NU207, NU212, NU214, NU/AN/SO344

**Special Projects:** Transition courses.

|                          |                 |
|--------------------------|-----------------|
| University GEs           | 55 credits      |
| Required Support Courses | 18 (+26 of GEs) |
| Required Nursing Courses | 51              |
| <b>Total</b>             | <b>124</b>      |

**ACCEPTANCE OF CREDITS FROM OTHER INSTITUTIONS**

Courses taken in other programs (nursing, medical, military medical, etc.) may be given University Of Guam credit through examination. The following exams may be used for credit:

- NU202: Fundamentals of Nursing (NLN Basic Nursing)
- NU207: Pharmacology in Nursing (NLN Fundamentals of Drug Therapy)
- NU302: Adult Health Nursing (NLN Tests for Adult Health Nursing)
- NU304: Family Health Nursing (NLN Test for Maternal Child Nursing)
- Second Step Program Placement (NLN Acceleration Challenge Exam (ACE))

The student will request credit by exam by applying to the Nursing AASC. Course materials to support the application will be provided by the student. Upon review of the materials and transcript, the decision whether to allow for credit by exam will be made by the AASC. A score at the 50<sup>th</sup> percentile or greater will constitute credit.

The cost of the exams will be paid by the student based on current NLN exam fees. A special clinical project shall be arranged to verify clinical competence in the content area. The cost of the special project will correspond to current University Of Guam Tuition rates.

The acceptance of on-line or distance teaching courses is made by AASC in consultation with faculty. Refer to the Nursing Program Manual or your faculty advisor for additional information.

**CHARACTERISTICS OF THE GRADUATE**  
(Student Learning Objectives)

The nursing curriculum is founded on a philosophy designed to enhance a person’s ability to make decisions toward maintaining optimum health. The student learning outcomes or characteristics of the graduate are derived from the philosophy and mission of the program. The program accomplishes its educational and related purposes when the graduate demonstrates the following outcomes based on the program’s ten core concepts:

1. Caring: Fosters and implements caring behaviors in technologically diverse settings.
2. Ethical and Legal: Uses legal and ethical principles in nursing practice
3. Management: Manages nursing care in collaboration with the client and others on the health care team
4. Nursing Process: Uses the nursing process to provide holistic care and empowers clients to attain optimal wellness
5. Research: Identifies research problems, participates in research activities and applies research findings to nursing practice
6. Professionalism: Demonstrates self-directed learning in the lifelong quest for personal and professional growth
7. Creative and critical thinking: Uses creative and critical thinking in applying theoretical knowledge to nursing practice
8. Cultural competence: Demonstrates cultural competence while promoting, maintaining and restoring health
9. Communication: Communicates effectively in private and in public, by written, verbal and nonverbal means

10. Leadership: Provides leadership in nursing by addressing issues and trends that affect health care.

### PROGRESSION IN THE NURSING MAJOR

In order to remain in good standing in the nursing program, students must maintain a cumulative GPA of 2.7 or better in all nursing courses and all required support courses. All prerequisites must be met before progression in the program. Refer to the Nursing Program Manual for policies and procedures about Admission, Course Sequences, Advisement, Priority Enrollment, Student Petition and Appeals, Repeating Nursing Courses, Probation, Suspension and Academic Integrity. Nursing Program Policies supersede UOG Policies on grading, probation, suspension and dismissal. Refer to University of Guam Academic Rules and Regulations for policies and procedures about Out-of Sequence, Withdrawal, Readmission, and Dismissal, and Student Rights and Responsibilities.

### TRANSPORTATION REQUIREMENTS

Students are responsible for reliable transportation so that attendance requirements for class and clinical work can be met.

### OUT OF SEQUENCE STUDENTS

An out-of-sequence student is one who is not following the recommended sequence of nursing courses within the recommended time frame. Students may be out-of-sequence for any of the following reasons: part time study, transfer, failure of a nursing or required support course, withdrawal from a nursing or required course, or returning students.

## BACHELOR OF SCIENCE IN HEALTH SCIENCES

The goal of this program is to prepare students for graduate studies in health sciences, or for health professions where they will be involved in the identification, evaluation, treatment, and prevention of diseases and injuries; educating the public on prevention and self-management for healthy lifestyles; and designing, implementing, and evaluating programs necessary for promoting general wellness.

### STUDENT LEARNING OUTCOMES

Students in the health science degree programs will demonstrate the following outcomes:

1. Behavior change skills and health promotion competencies
2. The ability to critically analyze information relative to health and disease/injury prevention
3. The ability to understand and apply scientific principles and methods
4. Written and verbal capabilities
5. The ability to work cooperatively in groups
6. The ability to problem seek and solve.

### CONCENTRATION IN PRE-PHYSICAL THERAPY

The concentration in Pre-Physical Therapy provides students with preparation for competitive entry into off-island programs leading to a Doctor of Physical Therapy (DPT). This option places a strong emphasis on physical and biological sciences, as well as application knowledge. A six-credit internship is required, which consists of 300 hours of service in a selected setting such as a hospital, an extended care facility, or a private clinic in which the student has an opportunity to use skills and knowledge under the supervision of a physical therapist. Students should recognize that this program does not automatically lead to entry into a Physical Therapy program at the doctoral level.

Entry into these programs is competitively based upon experience and grades. The requirements for this concentration are based on the recommendations of the American Physical Therapy Association.

#### Core Courses:

|                     |   |                   |
|---------------------|---|-------------------|
| BI124/124L          | Anatomy & Physiology I                            | 4 credits*        |
| BI125/125L          | Anatomy & Physiology II                           | 4 credits*        |
| CF230 or<br>CF231   | Nutrition & Health or<br>Nutrition for Health Pro | 3 credits         |
| HS200               | Health & Wellness                                 | 3 credits*        |
| HS216               | Intro to Public Health                            | 3 credits         |
| HS405/G             | Epidemiology                                      | 3 credits         |
| HS416               | Research in Nursing<br>and Health Sciences        | 3 credits         |
| HS498               | Internship  | 6 credits         |
| MA161a<br>or higher | College Algebra<br>& Trigonometry I               | 3 credits*        |
| MA387               | Statistics for Sciences                           | 4 credits         |
| NU112               | Medical Terminology                               | 2 credits         |
| NU344               | Aging: Myths & Realities                          | <u>3 credits</u>  |
| <b>Total:</b>       | <b>(27 program + 14)**</b>                        | <b>41 credits</b> |

\*GE

\*\* includes 19 upper division credits



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**Concentration in Pre-Physical Therapy Requirements:**

|            |  |            |
|------------|--|------------|
| BI157/157L | Prin. of Biology w/Lab I               | 4 credits  |
| BI158/158L | Prin. of Biology w/Lab II              | 4 credits  |
| CH102/102L | Gen Chemistry w/Lab I                  | 4 credits  |
| CH103/103L | Gen Chemistry w/Lab II                 | 4 credits  |
| HS322      | Kinesiology                            | 3 credits  |
| HS324      | Exercise Physiology                    | 3 credits  |
| HS350      | Test & Measurement in Exercise Science | 3 credits  |
| HS451      | Research & Report Writing              | 3 credits  |
| MA203      | Calculus                               | 5 credits  |
| PH210      | Intro to Physics Lab I                 | 1 credit   |
| PH251      | University Physics I                   | 4 credits  |
| PH211      | Intro to Physics Lab II                | 1 credit   |
| PH252      | University Physics II                  | 4 credits  |
| PY101      | General Psychology                     | 3 credits* |
| PY420      | Abnormal Psychology                    | 3 credits  |

At least 6 credits of HS491 or upper division advisor approved BI/CH/PY/SO 6 credits

**Total: (52 program + 3)\*\* 55 credits**

\*GE  
\*\*includes 21 upper division credits)

|                             |                    |
|-----------------------------|--------------------|
| Required GEs:               | 55 credits         |
| Core:                       | 27 credits         |
| Concentration:              | <u>52 credits</u>  |
| <b>Grand Total Credits:</b> | <b>134 credits</b> |

**CONCENTRATION IN EXERCISE SCIENCE AND HEALTH PROMOTION**

The professional concentration in Exercise Science and Health Promotion provides preparation for students desiring employment in the growing health promotion field and/or graduate studies in exercise science, health education, and related fields. The curriculum places an emphasis on exercise, nutrition, and healthy lifestyle. Students may use this concentration to prepare for certification as a Certified Personal Trainer or Clinical Exercise Specialist through the American College of Sports Medicine (ACSM). Students should recognize that this program does not automatically lead to these certifications. Interested students are encouraged to meet with an advisor to discuss eligibility requirements.

This concentration also requires students to take a 300-hour internship in a professional setting such as community health agencies, Guam Memorial Hospital, or various wellness clinics or fitness centers.

**Core Courses:**

|            |                         |            |
|------------|-------------------------|------------|
| BI124/124L | Anatomy & Physiology I  | 4 credits* |
| BI125/125L | Anatomy & Physiology II | 4 credits* |
| CF230 or   | Nutrition & Health or   |            |

|         |   |                  |
|---------|---|------------------|
| CF231   | Nutrition for Health Pro                | 3 credits        |
| HS200   | Health & Wellness                       | 3 credits*       |
| HS216   | Intro to Public Health                  | 3 credits        |
| HS405/G | Epidemiology                            | 3 credits        |
| HS416   | Research in Nursing and Health Sciences | 3 credits        |
| HS498   | Internship                              | 6 credits        |
| MA161a  | College Algebra & Trigonometry I        | 3 credits*       |
| MA387   | Statistics for Sciences                 | 4 credits        |
| NU112   | Medical Terminology                     | 2 credits        |
| NU344   | Aging: Myths & Realities                | <u>3 credits</u> |

**Total: (27 program + 14)\*\* 41 credits**

\*GE  
\*\* includes 19 upper division credits

**Concentration in Exercise Science and Health Promotion Requirements:**

|       |  |            |
|-------|--|------------|
| CF430 | Nutrition throughout the Lifespan      | 3 credits  |
| CF435 | Sports Nutrition                       | 3 credits  |
| ED201 | Human Growth and Development           | 3 credits  |
| ED300 | Educational Psychology                 | 3 credits  |
| HS104 | Conditioning & Fitness                 | 1 credit   |
| HS105 | Strength Training                      | 1 credit   |
| HS106 | Aerobics                               | 1 credit   |
| HS210 | Human Biology & Behavior               | 3 credits  |
| HS322 | Kinesiology                            | 3 credits  |
| HS324 | Exercise Physiology                    | 3 credits  |
| HS350 | Test & Measurement in Exercise Science | 3 credits  |
| HS355 | Human Sexuality                        | 3 credits  |
| HS451 | Research and Report Writing            | 3 credits  |
| HS491 | Special Topics in Health Sciences      | 6 credits  |
| PA206 | Public Health & Disease Mgmt.          | 3 credits  |
| PY101 | General Psychology                     | 3 credits* |

At least 9 credits of advisor approved HS/BI/CH/CF/PE/PH/PY/SO 9 credits

**Total: (51 program + 3)\*\* 54 credits**

\*GE  
\*\* includes at least 30 upper division credits

|                     |                    |
|---------------------|--------------------|
| Required GEs:       | 55 credits         |
| Core:               | 27 credits         |
| Concentration:      | <u>51 credits</u>  |
| <b>Grand Total:</b> | <b>133 credits</b> |

**CONCENTRATION IN PUBLIC HEALTH**

The professional concentration in Public Health is designed to provide students the opportunity to work as public health professionals, and/or entry into a Master of Public Health degree program. The curriculum offers courses related to the five core areas of public health



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(epidemiology, biostatistics, environmental health, health policy management, and social and behavioral sciences). Students specializing in this concentration may select one of four options: Minor in Health Services Administration, Minor in Nutrition, Emphasis in Social and Behavioral Sciences, or Qualification for the Registered Environmental Health Specialist/Registered Sanitarian (REHS/RS) Exam. Students should recognize that this program does not automatically lead to the REHS/RS certification. Students interested in this certification must meet with an advisor to discuss eligibility requirements.

This concentration also requires students to take a 300-hour internship in a professional setting such as community health agencies, the Department of Public Health and Social Services, the Guam Environmental Protection Agency, or various private groups that participate in services related to public health.

**Core Courses:**

|                   |   |                  |
|-------------------|---|------------------|
| BI124/124L        | Anatomy & Physiology I                            | 4 credits*       |
| BI125/125L        | Anatomy & Physiology II                           | 4 credits*       |
| CF230 or<br>CF231 | Nutrition & Health or<br>Nutrition for Health Pro | 3 credits        |
| HS200             | Health & Wellness                                 | 3 credits*       |
| HS216             | Intro to Public Health                            | 3 credits        |
| HS405/G           | Epidemiology                                      | 3 credits        |
| HS416             | Research in Nursing and<br>Health Sciences        | 3 credits        |
| HS498             | Internship  | 6 credits        |
| MA161a            | College Algebra &<br>Trigonometry I               | 3 credits*       |
| MA387             | Statistics for Sciences                           | 4 credits        |
| NU112             | Medical Terminology                               | 2 credits        |
| NU344             | Aging: Myths & Realities                          | <u>3 credits</u> |

**Total: (27 program + 14)\*\* 41 credits**

**\*GEs;\*\* includes 19 upper division credits**

**Concentration in Public Health Requirements:**

|                      |                                       |            |
|----------------------|---------------------------------------|------------|
| BI100/100L           | Environmental Biology                 | 4 credits  |
| BI225/225L           | Basic Microbiology w/Lab              | 4 credits  |
| CF/AG389             | Extension Programs<br>& Planning      | 3 credits  |
| CH100/L<br>Or higher | Intro to Inorganic<br>Chemistry       | 4 credits  |
| CH101/L<br>Or higher | Intro to Organic<br>Chemistry         | 4 credits  |
| HS210                | Human Biology & Behavior              | 3 credits  |
| HS355                | Human Sexuality                       | 3 credits  |
| HS451                | Research & Report Writing             | 3 credits  |
| HS491                | Current Topics in<br>Health Sciences  | 6 credits  |
| PA206                | Public Health & Disease<br>Management | 3 credits  |
| SO101                | Introduction to Sociology             | 3 credits* |

**Plus, any one of the four options.**

*All students must meet with an advisor to discuss the appropriate courses for each option.*

|   |                       |
|---|-----------------------|
| <b>Option 1:</b> Minor in Health Services Admin | 15 credits            |
| <b>Option 2:</b> Minor in Nutrition             | 16 credits            |
| <b>Option 3:</b> Social/Behavioral Emphasis     | min 15 credits        |
| <b>Option 4:</b> Environmental Health Emphasis  | <u>min 15 credits</u> |

**Total: (52-53 + 3)\*\* 55-56 credits**

**\*GEs;\*\* includes at least 21 upper division credits**

|                     |                        |
|---------------------|------------------------|
| Required GEs:       | 55 credits             |
| Core:               | 27 credits             |
| Concentration:      | <u>52-53 credits</u>   |
| <b>Grand Total:</b> | <b>134-135 credits</b> |

## ROBERT F. KENNEDY MEMORIAL LIBRARY



### MISSION

The Territorial College of Guam was founded in 1952; in June of the same year the Territorial College of Guam Library was established in a World War II military Quonset hut in Mongmong. Curriculum of the College was supported by the library's initial collection of 2000 volumes consisted mainly of donations from the military and public libraries on Guam. Since then, the University of Guam Robert F. Kennedy (RFK) Memorial Library, housed in the Tan Siu Lin Building, has evolved into the largest library and research facility in the Micronesia region. The library provides 54,201 square feet of work and study area, and is equipped with 400 reading seats, serving the University as well as the community of Guam.

Administered by the RFK Memorial Library Director, the University of Guam RFK Memorial Library is an academic component and the central library faculty of the University. At present, it houses over 98,059 print titles and 124,977 print holdings; 26,902 microfilm reels and 899,748 microfiche units; 1527 print serial titles, 187,897 print serial issues; and 5289 multimedia items. In January 2009, a new Integrated Library System (ILS) was installed, and the new SYMPHONY went live in February 2009. The library's online catalog (OCEAN) allows 24/7 access to students, faculty, staff and other community and regional cardholders and enrollees to the library collection and electronic resources both on and off campus. Electronic database resources subscribed and licensed to the Library provide wide-ranged subjects of full-text, peer-reviewed articles. New acquisitions and databases are

selected to enhance and support the academic quality of the university's classes, research and professional needs.

In September 2009, the Library received a three-year Federal National Leadership Grant from the Institute of Museum and Library Services (IMLS) for the "Information Literacy for Future Island Leaders" Project. In August 2010, the Graduate Research Center (GRC) opened for service on the 2<sup>nd</sup> floor of the UOG/RFK Memorial Library. Services currently available are: large screen computers with Internet and MS Office; research assistance for graduate class assignments; research assistance for Theses and Special Projects; and circulating copies of UOG theses and Special Projects, etc.

The University Of Guam RFK Memorial Library has been a designated Selective Federal Depository in 1978 through the university's Land Grant status. As one of the two selective depository libraries in the region, RFK Memorial Library receives 46% U.S. Government Publications, many in electronic and Microform formats. The newly added **Documents Without Shelves** program provides 24/7 access to over 55,000 US Federal Government documents in PDF full-text via the Library's online catalog OCEAN.

Other special collections at the RFK Memorial Library include the Mobil East Asian Collection, the Thesis and Special Projects Collection, the Micronesian Resource File (MRF) Collection, and the Reference Information File consisting of local and ephemeral materials of current interest. The East Asian Collection offers books and periodicals on the cultures, history, language, and societies of Japan, Korea, and China including Taiwan and Hong Kong. Mobil Oil Guam established this collection with generous initial and continuous support.

The Instructional Media Services within the Library provides student & faculty needs in audio-video duplication and video projects.

The University Of Guam RFK Memorial Library provides Interlibrary Loan (ILL) services through OCLC, DOCLINE and other means to UOG students, faculty, staff, administrators, and to other library patron in Guam, Micronesia and the Western Pacific Region. Many items can be obtained cost-free, although there may be charges associated.

As a Resource Library of the National Network of Libraries of Medicine, Pacific Southwest Region (NN/LM PSR), the RFK Memorial Library supports the Regional Medical Library (UCLA Louise M. Darling Biomedical Library) to fulfill the medical, health, and consumer health



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information requests from U.S. health professionals and from the general public in Guam, Micronesia and the Western Pacific region. The Program is coordinated by the National Library of Medicine in Bethesda, Maryland and carried out through a nationwide network of health science libraries and information centers.

The University Of Guam RFK Memorial Library is open six days a week during the regular semesters. Hours are posted on the front entrance, circulation Service Desk, Reference Service Desk, and other locations within the building. Hours vary during the interim and summer sessions. For additional information please visit library's homepage at [www.uog.edu/library](http://www.uog.edu/library), or contact the Circulation Desk (671) 735-2311, the Reference Desk (671) 735-2341, or the Administration Office (671) 735-2331/2/3.

## MINOR AND CERTIFICATION IN LIBRARY SCIENCE

Courses in Library Science (LS) are offered periodically. LS courses are designed to meet the school librarian certification requirements of the Guam Commission of Educator Certification (GCEC). The primary objective of the courses is to prepare school librarians who will be knowledgeable in all main areas of librarianship and who will be able to develop, promote, and administer effective school library programs. The courses will lead to Professional I, School Library Certification on Guam. These courses are in addition to requirements for teacher certification. School librarians on Guam must also meet teacher certification requirements. The current requirements for GCEC School Librarian Certification are 24 semester hours. Check the GCEC website for current requirements. ([www.gcec.guam.gov](http://www.gcec.guam.gov)).

**Required Core Courses:** (15 credits): LS310, LS311, LS312, LS315, LS/ED319 (required for Elementary Education majors) or LS320 (recommended for Secondary Education majors).

**Electives:** LS314 (strongly recommended for Elementary Education majors), LS/ED451, LS/ED452, and LS453.

## CONTACT

The Office of the Director for Learning Resources is located on the first floor, Robert Kennedy Memorial Library building. Correspondence with the Library Science Program can be directed to:

Monique Carriveau Storie, Interim Director, Learning Resources  
University of Guam  
UOG Station, Mangilao  
Guam 96923  
Tel: 735-2331/2  
Email: [mstorie@uguam.uog.edu](mailto:mstorie@uguam.uog.edu)



### Guam History Timeline

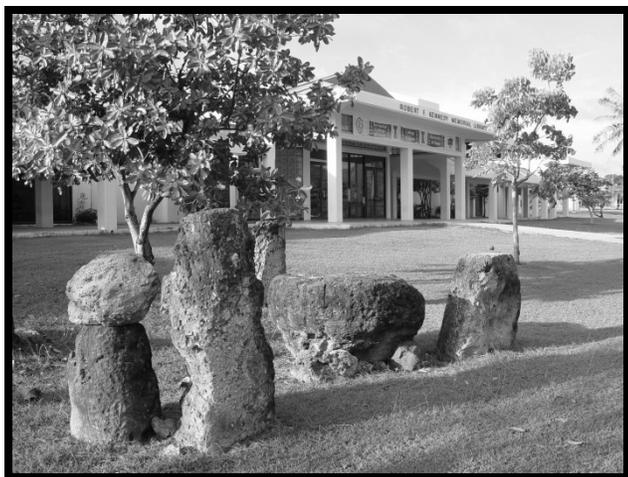
| Ancient Chamorro Era        | Spanish Era | Naval Era | WWII- Japanese Era | Post War Era | Guamanian Era | Contemporary Guam |
|-----------------------------|-------------|-----------|--------------------|--------------|---------------|-------------------|
| 4,500 Before Present - 1668 | 1668-1898   | 1898-1941 | 1941-1944          | 1944-1950    | 1950-1970     | 1970-Present      |

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## COURSE LISTINGS



### COURSE NUMBERING SYSTEM

#### General Class-Level Designations

|         |                 |
|---------|-----------------|
| 0-099   | non-degree unit |
| 100-199 | freshman level  |
| 200-299 | sophomore level |
| 300-399 | junior level    |
| 400-499 | senior level    |
| 500-699 | graduate level  |

*800-level courses.* The 800 series of courses are post baccalaureate, professional development courses for teachers. Admission requirements are (1) proof of a bachelor's degree and (2) proof of present employment as a teacher. No undergraduate may take an 800 course. Credit for an 800 course is not applicable to any degree. These courses may not be cross-listed with any other course. They shall appear on a separate transcript labeled "For Professional Development Only."

### SPECIAL COURSE DESIGNATIONS

**-90 Series: Special Projects.** Courses for individual students, including problems, special studies and individual research.

**-91 Series: Seminar Courses.** Courses in which the burden of research and preparation is on the students, and class activity is discussion-oriented.

**-92 Series: Practicum Courses.** Guided work experience supervised by a qualified professor or project director to whom the student reports at regular intervals.

**-93 Series: Workshops.** Courses administered by a group of specialists and dealing with various applied aspects of a discipline.

**-94 Series: Special Studies.** Special-category courses usually designed to be offered only once (e.g., a course by

a visiting expert; a course designed for a specific group of students).

**-95 Series: Thesis.** Independent research culminating in a major research paper or project (e.g., Senior Thesis, Master's Thesis).

**-98 Series: Internship.** A trainee, residency, or intern program in which the student works in a technical or professional area under the supervision of an expert in the field.

**-99 Series: Independent Reading.** A course of directed readings in a designated field or topic.

### CONFERENCE AND SPECIAL PROJECT COURSES

**Conference Courses** A person who has been accepted for admission to the University of Guam may register for course by conference upon special arrangements with the appropriate college/unit. A conference course is a regular catalog course that is **not** offered in the current semester. A conference course **will not be approved** if the course already appears on the regular schedule of classes.

Enrollment in these courses requires the advisors, professor, division/department chairs, and Dean/Directors approval. A student studies privately with a professor. **Deadline for registration for the course by conference is the last day of schedule adjustment (add/drop) of each regular semester and summer terms.** After obtaining this approval, the formal registration and payment for course by conference shall take place at the Professional and International Programs Office in the 2<sup>nd</sup> floor of the MARC/Information Technology Resource Center/Computer Center building. All other rules and regulations apply.

**NOTE:** If the Course by Conference is to be used for graduation requirements, grades must be submitted by the professor by the graduating student deadline. In addition, the required contact hours must also be met between the student and the professor for academic credit.

**Special Project and Thesis Courses** A person who has been accepted for admission to the University of Guam may register for the following Special Projects courses upon special arrangements with the appropriate college/unit. Enrollment in these courses requires the advisors, professor, division/department chairs, and Dean/Directors approval.

- 190, 290, 390, 490 Special Projects
- 192, 292, 392, 492 Practicum Courses
- 199, 299, 399, 499 Independent Reading

A person who has been accepted for admission to the University of Guam may also, with the professors consent,



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enroll in the -98 series, Internship, and Special Project Courses *through the ninth week of a regular semester or the first week of the summer terms (please refer to the Calendar at a Glance at the beginning of this catalog for specific deadline dates per semester)*, provided that the course is offered by any college/school except the School of Education. Internships in the School of Education require prior approval and must be registered for by the end of the schedule adjustment period.

The necessary application/approval forms may be obtained from the Professional and International Programs Office located in the 2<sup>nd</sup> floor of the MARC/ Information Technology Resource Center/Computer Center building. After obtaining this approval, the formal registration and payment for Special Projects and -98 series Courses shall take place at the Professional and International Programs Office. All other rules and regulations apply.

**NOTE:** If the Special Project and or Thesis are to be used for graduation requirements, grades must be submitted by the professor by the graduating student deadline. In addition, the required contact hours must also be met between the student and the professor for academic credit.

### OTHER COURSE-NUMBER DESIGNATIONS

Letter symbols appearing immediately after course numbers are to be interpreted as follows. Small case letters "a-b" mean a two-semester sequence to be taken in order. When small case letters are separated by a comma instead of a dash, these symbols indicate that even though the courses are closely related, they need not be taken in the a, b order if conditions make it more expedient to reverse the order.

### CREDIT HOURS

Parenthetical figures following the course title indicate the number of credit hours a course carries.

### COURSE ABBREVIATIONS

|                              |    |       |
|------------------------------|----|-------|
| AGRICULTURE                  | AG | CNAS  |
| ANTHROPOLOGY                 | AN | CLASS |
| ART                          | AR | CLASS |
| BIOLOGY                      | BI | CNAS  |
| BUSINESS ADMINISTRATION      | BA | SBPA  |
| CHAMORRO STUDIES             | CM | CLASS |
| CHEMISTRY                    | CH | CNAS  |
| COMMUNICATION                | CO | CLASS |
| COMPUTER SCIENCE             | CS | CNAS  |
| CONSUMER AND FAMILY SCIENCES | CF | CNAS  |
| EDUCATION                    | ED | SOE   |

|                                     |     |       |
|-------------------------------------|-----|-------|
| ENGINEERING SCIENCES                | ES  | CNAS  |
| ENGLISH                             | EN  | CLASS |
| FINE ARTS                           | FA  | CLASS |
| GEOGRAPHY                           | GE  | CLASS |
| HEALTH SCIENCE                      | HS  | SNHS  |
| HISTORY                             | HI  | CLASS |
| INTERDISCIPLINARY ARTS AND SCIENCES | IAS | CLASS |
| INTERDISCIPLINARY COURSES           | ID  | EMSS  |
| LEGAL STUDIES - CRIMINAL JUSTICE    | LW  | SBPA  |
| LIBRARY SCIENCE                     | LS  | LR    |
| LINGUISTICS                         | LN  | CLASS |
| MATHEMATICS                         | MA  | CNAS  |
| MILITARY SCIENCE                    | MSL | CNAS  |
| MODERN LANGUAGES                    |     | CLASS |
| CHAMORRO                            | CM  | CLASS |
| CHINESE                             | CI  | CLASS |
| CHUUKESSE                           | CK  | CLASS |
| FRENCH                              | FR  | CLASS |
| GERMAN                              | GN  | CLASS |
| JAPANESE                            | JA  | CLASS |
| POHNPEIAN                           | PN  | CLASS |
| SPANISH                             | SN  | CLASS |
| TAGALOG                             | TA  | CLASS |
| MUSIC                               | MU  | CLASS |
| NATURAL SCIENCE                     | NS  | CNAS  |
| NURSING                             | NU  | SNHS  |
| PHILOSOPHY                          | PI  | CLASS |
| PHYSICAL EDUCATION                  | PE  | CNAS  |
| PHYSICS                             | PH  | CNAS  |
| POLITICAL SCIENCE                   | PS  | CLASS |
| PSYCHOLOGY                          | PY  | CLASS |
| PUBLIC ADMINISTRATION               | PA  | SBPA  |
| SOCIAL WORK                         | SW  | CNAS  |
| SOCIOLOGY                           | SO  | CLASS |
| THEATER                             | TH  | CLASS |
| WOMEN AND GENDER STUDIES            | WG  | CLASS |

### COURSE OFFERING:

F = FALL  
 SP = SPRING  
 DE/OLL = DISTANCE EDUCATION/INTERNET BASED COURSE  
 HYB = HYBRID ONLINE AND IN CLASS

## COURSE DESCRIPTIONS

### AGRICULTURE (AG)

**AG101** (4)  
**INTRODUCTION TO AGRICULTURE** F/SP  
This course is an introduction to the science of agriculture. This course explains the scientific principles behind the discipline that feeds shelter and clothes the world's population. Three hours of lecture and three hours of laboratory. Prerequisite: MA085 or higher.

**AG102** (3)  
**INTRODUCTION TO PLANT SCIENCE** F/SP/DE  
This course introduces students to basic scientific knowledge of plants. Students will learn scientific principles relevant to understanding plant growth and development, plant nutrition, and plant improvement. Lab experiments will give students experience in observing, collecting data, and writing reports on plant growth and reproduction. The course consists of online activities that are the equivalent of three hours of lecture weekly. Prerequisites: MA085 or higher. Co requisite: AG102L.

**AG102L** (1)  
**INTRODUCTION TO PLANT SCIENCE LABORATORY** F/SP/DE  
AG102L is the laboratory portion of AG102 and MUST be taken concurrently. The course consists of lab activities included in a lab kit that the students must purchase at the beginning of the semester. There is an option to register for either a classroom section or a section in which the studs do the experiments at home and do not meet in the classroom. Co requisite: AG102

**AG109** (4)  
**THE INSECT WORLD** SP  
This course is an overview of insect biology for non-scientists. Emphasis is on insect behavior, ecology and structural/morphological adaptations. Lab is geared toward identifying common insects and experimentally examining aspects of insect biology. The course may be used as an AG elective, but will not serve to replace AG course. Three hours of lecture and three hours of laboratory weekly. Prerequisite: MA085 or higher.

**AG136** (4)  
**SCIENCE OF AQUACULTURE** SP  
This course is designed to introduce students to the science of aquaculture. Lectures focus on the history, theory and description of aquaculture systems around the world. Laboratories allow students hands-on experience with field testing of water quality; field identification of fish, crustaceans, aquatic plants, and parasites; reproduction of certain aquaculture species; and other cultural practices. Three hours lecture and three hours laboratory weekly. Prerequisite: MA085 or higher.

**AG211** (4)  
**PRINCIPLES OF ANIMAL SCIENCE** F  
This course covers adaptation, distribution and numbers of livestock throughout the world; significance and economic importance; trends in livestock production; introduction to feeding, breeding, disease control, growth, and physiology. Three hours of lecture and three hours of laboratory weekly. Prerequisite: MA085 or higher, and BI157-157L or AG101.

**AG281** (4)  
**PRINCIPLES OF HORTICULTURAL SCIENCE** SP  
This course introduces principles of plant-soil-climate relations and physical characteristics in horticultural crop production, current practices included. Emphasis is on the practical aspects of producing vegetable, fruit and ornamental crops in the tropics. Three hours of lecture and three hours lab weekly. Prerequisite: MA115 or higher and AG102 or BI157 or BI158.

**AG321** (2)  
**HORTICULTURE PLANT ID** FA/Even Years  
This course is designed for students who would like to identify the plants that are important to Guam's culture, economy, and environment. This course will introduce the subject of higher plant nomenclature and provide practical experience in plant identification of fruits, vegetable, weeds, and ornamental plants. One hour of lecture and three hours of laboratory weekly. Prerequisite: AG102 or consent of instructor.

**AG323** (4)  
**PLANT PATHOLOGY** F/Odd Years  
Principles underlying the nature and control of plant diseases that are related to crop production and horticulture are introduced in this course. Symptoms, causes, and control of most important diseases on Micronesia's crops are covered. This course provides the student with practical plant pathology laboratory techniques. The class meets for three hours of lecture and three hours of laboratory weekly. Prerequisites: AG101 and AG102 or BI157 and BI158.

**AG340** (4)  
**PEST MANAGEMENT** SP/Even Years  
A capstone agriculture course that draws from the student's experience in soil science, horticulture, biology, entomology, and plant pathology to introduce the student to common agricultural pests (insects, plant pathogens and weeds) and their management. As part of the lecture portion of the course, students will be expected to pass the University of Guam Private Pesticide Applicators course and the National Plant Diagnostic Network (NPDN) first Detector Course. Laboratory portion of the course will include field trips exercises in the Cooperative Extension Service Plant Diagnostic Clinic and lab work in pest identification and pest control pests. Three-hours of lecture and three-hours of laboratory weekly. This is a required course for Agriculture Science major Applied Emphasis and an upper elective for Research emphasis. Prerequisite: AG281. Suggested courses but not required biology, entomology, plant pathology, plant ID.

**AG342** (4)  
**PRINCIPLES OF AGRICULTURAL ENGINEERING** SP  
This course is an introduction to engineering principles in agriculture with emphasis on land measurements, farm power and machinery, farm structures, farm electrification and farm water management. This course consists of three hours of lecture and three hours of laboratory weekly. Prerequisite: MA161a or higher.



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**AG/BI345 (4)**  
**GENERAL ENTOMOLOGY F/Odd Years**  
This course is an overview of insect biology with emphasis on fundamental problems encountered by insects, and the structural and functional adaptations used to overcome these problems. The laboratory focuses on insect identification. An insect collection is required. The course meets for three hours of lecture weekly. Prerequisites: BI157-157L or AG109 or AG281.

**AG/NS 380 (4)**  
**PRINCIPLES OF SOIL SCIENCE F**  
This course delves into the basic principles of the fundamentals of the chemical, physical, and biological properties of soils; their formation, fertility, and management, and the effects of inorganic and organic chemicals on soil processes and properties as they relate to environmental pollution. Two hours of lecture, one hour recitation and three hours laboratory weekly. Prerequisites: MA115 or higher and any two chemistry courses.

**AG/CF389 (3)**  
**EXTENSION PROGRAMS AND PLANNING FA/Even Years**  
The course reviews development and educational philosophy of the Cooperative Extension Service in the U.S., Guam, and the Pacific Basin. Extension educational programs, planning and development methods, teaching tools, and related topics are explored.

**AG392 (1)**  
**LABORATORY TEACHING ASSISTANTSHIP F/SP**  
This course provides practical educational experience in undergraduate course laboratories. Prerequisites: Completion of the course in which the laboratory is offered, junior standing and consent of instructor.

**AG/PA401 (3)**  
**COMMUNITY PLANNING F/Odd Years**  
This course is an introduction to community planning; relationships of physical form to environment, function, aesthetic principles, cultural values, planning as a synthesis of a frame of reference based on economics, political, social, cultural, physical, and administrative factors. Prerequisite: SO101.

**AG423 (3)**  
**ADVANCED PLANT PATHOLOGY SP/Even Years**  
This course expands on the principles introduced in AG323 and introduces epidemiology and physiology of parasitism. Prerequisites: BI315-315L and AG323.

**AG/BI430 (3)**  
**SCIENTIFIC PHOTOGRAPHY SP/Even Years**  
Photography is one of the primary means through which scientific observation and research is documented and presented to colleagues and the public. By developing technical observational and aesthetic skills, students will learn how to extract relevant information from nature using macro-photography, photomicrography, special techniques and digital processing. Students will learn the basics of photography and the use of a computer as the digital darkroom. This course includes two hours of lecture and three hours of laboratory weekly. Laboratories will either be field activities or hands-on experience in the classroom. AG/BI430L is the laboratory

portion of AG/BI430 and MUST be taken concurrently. Co requisite: AG/BI430L.

**AG/BI430L (1)**  
**SCIENTIFIC PHOTOGRAPHY LAB SP/Even Years**  
Photography is one of the primary means through which scientific observation and research is documented and presented to colleagues and the public. By developing technical observational and aesthetic skills, students will learn how to extract relevant information from nature using macro-photography, photomicrography, special techniques and digital processing. Students will learn the basics of photography and the use of a computer as the digital darkroom. AG/BI430L is the laboratory portion of AG/BI430 and MUST be taken concurrently. The course consists of two hours of lecture and three hours laboratory period per week. Co requisite: AG/BI430

**AG443/G (4)**  
**ENGINEERING TECHNOLOGIES FOR SUSTAINABLE TROPICAL AGRICULTURE SP/Odd Years**  
This course provides students with the knowledge of agricultural sustainability through the use of technologies that efficiently utilize resources and agriculture by-products. Students will be introduced to the use of drip irrigation, rainwater harvesting, aquaponics, integrated farming, and alternative energy systems such as biogas, solar, and wind power. The course meets for three hours lecture and three hours laboratory weekly. Prerequisites: MA161a, AG211, AG/NS380, AG281, and AG342 or consent of instructor.

**AG451 (3)**  
**AGRICULTURAL BUSINESS MANAGEMENT F/Odd Years**  
This course examines the role of the manager in the organization and operation of the agri-business. Prerequisites: MA115 or higher and CF351 or BA110.

**AG480 (3)**  
**TROPICAL SOIL MANAGEMENT AND FERTILITY SP/Even Years**  
This course examines the origin, development, properties, and management of tropical soils and the importance of key physical, chemical, and biological properties. Emphasis is on application of principles. Prerequisite: AG380.

**AG481 (4)**  
**ENVIRONMENTAL SOIL SCIENCE SP/Odd Years**  
An overview of soil properties and their impact on the environment will be discussed. Topics covered include: soil erosion, soil conservation, soil enhancement, non-point source pollution, soil contamination, and waste management. Students will develop skills in soil and water contaminant analysis and environmental assessment. This course weekly consists of three hours of lecture and a three-hour laboratory. Prerequisites: AG/NS380 and MA161a or higher.



**AG484 (4)**  
**TROPICAL VEGETABLE PRODUCTION** **SP/Even Years**  
 This course covers topics related to the vegetable crop production in the tropics. Topics included botany and classification of vegetable, crop production and management systems, plant growth and development influenced by genetics and environment factors, vegetable variety development and testing, and vegetable seed production technology. This course meets for three hours lecture and three hours laboratory weekly. Prerequisite: AG281.

**AG485 (4)**  
**TROPICAL FRUITS HORTICULTURE** **F/Even Years**  
 This course covers tropical fruits, their botany, taxonomy and uses, including detailed study of important fruits and their impact on life in the tropics. Topics to be covered are: relationship of the environment; plant structure; and cultural practices to yield and quality; propagation methods; seed viability, dormancy and seed treatments, fertilizers, growth regulators, and modification of season of production; and stock and scion relationships. The course meets for three hours lecture and three hours laboratory weekly. Prerequisite: AG281.

**AG486 (4)**  
**ORNAMENTAL CROP PRODUCTION IN THE TROPICS** **SP/Odd Years**  
 This course covers topics related to the production of ornamental plants in the tropics. Lectures cover the propagation, management and post-harvest handling of specific crops. Laboratories include plant identification and demonstrations of topics covered in lectures. It meets for three hours lecture and three hours laboratory weekly. Prerequisite: AG281

**ANTHROPOLOGY (AN)**

**AN101 (3)**  
**INTRODUCTION TO ANTHROPOLOGY** **F/SP/SU/DE**  
 This course is an introduction to anthropology: the comparative study of human beings. The basic principles of archaeology, cultural anthropology, linguistics and physical anthropology are explored as they relate to the study of human beings, and to each other as sub disciplines of anthropology.

**AN203 (3)**  
**INTRODUCTION TO ARCHAEOLOGY** **F/Odd Years**  
 This course presents a broad overview of the practice and principles of archaeology introducing a number of regional traditions and approaches. Locating and sampling sites, along with excavation are covered, as well as contemporary issues in cultural resource management. Regional international case studies are presented. Fieldtrips supplement in-class learning. Prerequisite: AN101

**AN212 (3)**  
**CULTURAL ANTHROPOLOGY** **F**  
 This course involves the study of culture, the central concept of anthropology. Traditional and contemporary theories regarding the nature, structure and dynamics of culture are examined, as well as human social institutions: marriage and the family,

kinship and descent, social organization, subsistence patterns, economic systems, political organization, social control, religion and magic and the arts. Prerequisite: AN101 or consent of instructor.

**AN222 (4)**  
**BIOLOGICAL ANTHROPOLOGY** **As Resources Permit**  
 This course surveys the subfield of modern Biological (Physical) Anthropology, with a focus on the study and interpretation of human and non-human primate evolution, contemporary human biological diversity, and the bicultural, ecological and historical dynamics of selective factors including diseases that have impacted – and continue to impact on – the human condition. A three-hour weekly lab is required. Prerequisite: AN101

**AN262 (3)**  
**ARCHAEOLOGICAL METHODS AND THEORY** **SP/Even Years**  
 This course offers an introduction to archeological method and theory. The course focuses on the theoretical foundations of archeological research and examines the relationships between methods used to analyze material culture with archaeological theory. Students will learn fundamental principles behind site survey, excavations, mapping, and recording of material remains. Prerequisite: AN101.

**AN320 (3)**  
**PEOPLE OF THE PACIFIC** **SP**  
 AN320 is a study of the cultural anthropology of Melanesia, Micronesia, and Polynesia, the most ethnographically diverse region on the planet. Themes may include art, colonialism, ethnocentrism, first contact, gender, inequality, intoxication, power, race relations, religion, ritual, social change, sorcery and tattooing. Prerequisite: AN101, EN111

**AN325 (3)**  
**PREHISTORY OF THE PACIFIC BASIN** **F/Even Years**  
 The story of the colonization of the Pacific Islands is one of the most remarkable in global prehistory. This is only the beginning of the story. Life in the Pacific brought with it unique circumstances and challenges, which were faced and overcome in a variety of different ways. This course investigates our understandings about the original colonization of the various Pacific Island groups, including the Marianas, and follows the relationships and developments of these various island peoples through time.

**AN/SO332 (3)**  
**GLOBALIZATION AND HUMAN DYNAMICS** **SP/Even Years**  
 This course examines representative peoples in various parts of the world with regard to selected themes concerning globalization and human dynamics. Themes explored may include ethnicity, multiculturalism, nation building, and tourism. Prerequisite: AN101 or SO101.



|  |                     |   |                              |
|--|---------------------|---|------------------------------|
| <b>AN/EN333</b><br><b>LITERATURE OF GUAM,<br/>MICRONESIA, AND THE PACIFIC</b><br>This course provides an overview of the Pacific island literatures. It surveys myths, legends, folktales, historical and literary works of Guam, Micronesia and other Pacific island cultures. It also explores resources suitable for instruction in the schools. Prerequisite: AN101; EN111; any 200-level literature course or consent of the instructor.  | (3)<br>F/Even Years | <b>AN/SO418</b><br><b>SOCIAL STRATIFICATION</b><br>This course is a review of theory and research bearing on the institutional arrangement, individuals, roles and groups in hierarchical relationships known as systems of social stratification, with particular reference to differences between stratification in industrial and less developed societies. Prerequisites: AN101 if taken as AN418 and MA385, or consent of instructor.  | (3)<br>F                     |
| <b>AN/GE341</b><br><b>CULTURAL ECOLOGY</b><br>This course examines the linkages and interactions between human cultures and the environment, particularly of subsistence peoples in the tropics and the Pacific. Traditional and contemporary theories and approaches of human adaptation to and modification of the environment are examined. Prerequisites: AN101, and BI157 or GE101.   | (3)<br>F/Odd Years  | <b>AN421</b><br><b>CROSS-CULTURAL AND<br/>SOCIOLOGICAL PROBLEMS OF<br/>GUAM AND MICRONESIA</b><br>This course analyzes and evaluates the changing cultural patterns of Guam, the Commonwealth of the Northern Marianas, the Republic of Belau, the Federated States of Micronesia and the Republic of the Marshall Islands. New techniques and materials in the social science area pertaining to cross-cultural understanding are considered. Prerequisite: AN101 or consent of instructor.  | (3)<br>As Resources Permit   |
| <b>AN/NU/SO/SW344</b><br><b>AGING: MYTH &amp; REALITIES</b><br>This course explores the major issues and concepts pertinent to gerontology, the study of the aging process. The prevailing theories of the social/biological aging process, and the economics, physical and psychological problems that might arise in late life are presented, and students learn how these factors impinge on the well-being of the older person and the social structure of a community. Aging as it occurs in different societies and throughout history is discussed. Social myths and stereotypes are explored. An overview of existing aging policies and special programs for seniors is included, as is a section on dying, death and grieving. | (3)<br>F            | <b>AN462</b><br><b>ADVANCED FIELD METHODS<br/>IN ARCHAEOLOGY</b><br>This course offers advanced training of archaeological field methodology for advanced students who already have prior knowledge of archaeological field methods. In addition to focusing on aspects of research design, advanced recovery techniques and data collation and processing, students will develop on-site decision-making and problem-solving skills. This course aims to train advanced students to a level where they can direct archaeological excavation with supervision. Prerequisite: AN262 or equivalent with consent of instructor. Can be repeated once for credit, if field project is different.                | (3-6)<br>As Resources Permit |
| <b>AN369</b><br><b>SPECIAL TOPICS</b><br>AN369 Special Topics presents questions, methods, and theories used within anthropology with special attention to the relation between social theory and practice in local or overseas cultures. Special Topics include Visual Anthropology, Maritime Archaeology, Human Osteology, Participatory Walking, Anthropology, Anthropology of Education, Political Anthropology, Indigenous Skill and Reconstructive Archaeology offered intermittently as faculty resources permit. Prerequisite: AN101 or Instructors Consent.   | (3)<br>F/SP         | <b>AN498</b><br><b>INTERNSHIP IN<br/>ANTHROPOLOGY</b><br>This course is designed to introduce students to the application and relevance of anthropology in the workplace, and is suitable for anthropology students of junior or senior standing. Placement with an appropriate host organization will be coordinated in association with the student's advisor. The student works a designated number of hours over the course of the semester, and holds regular meetings with the appropriate instructor. A final assignment will draw upon the knowledge and skills gained during the period of the internship. Prerequisite: AN203 or AN222, AN212. Can be retaken for credit if content is different. | (4)<br>As Resources Permit   |
| <b>AN/SO405</b><br><b>COMMUNITY DEVELOPMENT</b><br>This course covers applied sociology and anthropology, emphasizing social processes and programs of planned change on the community level in parts of the world currently undergoing technical development. Prerequisite: AN101 or consent of instructor.   | (3)<br>SP/Odd Years |   |                              |
| <b>AN/HI413</b><br><b>RESEARCH METHODOLOGY<br/>IN ANTHROPOLOGY<br/>AND HISTORY</b><br>This course covers the use of bibliography, reference tools, and research methods in Anthropology and History. Presentation and cooperative evaluation of research materials, methods, and projects is required. (Course may not be repeated for credit.) Prerequisite: AN101 if taken as AN413.   | (3)<br>F/Odd Years  |   |                              |

## ART (AR)

The student can choose either the A-P-NC grading system or the conventional A, B, C, D, F grading system in some lower division studio undergraduate art (AR) courses. The instructor shall explain the two grading system options to the students and distribute the appropriate form during the first three weeks of the semester. ("Pass" is equivalent to B and C in the conventional grading system. "P" and "NC" are not computed in the grade-point average.)

**AR101** (3)  
**INTRODUCTION TO ART** F/SP  
This is a course covering the major art trends and their place in history, art media and technique, and criteria for evaluating the visual arts.

**AR102** (3)  
**STUDIO FOR NON-MAJORS** F/SP  
This course is an exploration of visual ideas and images in drawing, painting, printmaking, and other studio techniques. It involves studio work and fieldtrips.

**AR103** (3)  
**DRAWING I** F/SP  
This course develops the student's visual perception and his or her ability to make a visual statement through various drawing media.

**AR104** (3)  
**BASIC DESIGN** F  
Basic Design is an introduction to the principles and elements of two-dimensional visual organization.

**AR203** (3)  
**DRAWING II** SP  
Drawing II provides additional experience in drawing, with emphasis on the ability to interpret visual forms in a creative and individualized manner. Prerequisite: AR103 or consent of instructor.

**AR204** (3)  
**3-D DESIGN** SP/Odd Years  
This course introduces methods, materials, techniques, principles of organization, and elements of design applied to the third dimension as a means to understanding sculptural form. Prerequisite: AR104 or consent of instructor.

**AR205** (3)  
**BASIC WATERCOLOR PAINTING** F  
Transparent and opaque watercolor techniques are introduced. Emphasis is placed upon creative utilization for the development of original, personal statement and the understanding of the effects and variety of different watercolor techniques. Prerequisite: AR103 or consent of instructor.

**AR206** (3)  
**BASIC PAINTING** SP  
This course explores problems in color and form with an introduction to painting media. Prerequisite: AR103 or consent of instructor.

**AR208** (3)  
**BASIC SCULPTURE** F  
Sculpture methods and techniques are explored in this course. Emphasis is placed on creative utilization of materials and techniques and the development of a personal direction. Prerequisite: AR103 or AR104, or consent of instructor.

**AR210** (3)  
**BASIC PRINTMAKING** SP/Even Years  
This is a studio course in which printmaking techniques in block printing and monotype printing are introduced. Prerequisites: AR103 or AR104 or consent of instructor.

**AR211** (3)  
**BASIC PHOTOGRAPHY** F/SP  
This introductory course enables students to understand and properly use the camera and darkroom with emphasis on composition and visual communications. Prerequisite: Students must have a 35mm SLR camera with interchangeable lenses.

**AR220** (3)  
**BASIC CERAMICS** F/SP  
This course is a study of ceramic materials and processes. Emphasis is on developing the student's skills and creativity.

**AR240** (3)  
**COMPUTER GRAPHIC DESIGN** F/SP  
An entry-level that involves learning to create eye-catching graphics dealing with the interaction of text and image along with the fundamental components of graphic communication. Students apply their artistic skills using industry- standard software. Prerequisite: AR-103 Drawing I, AR-104 Basic Design or consent of the instructor.

**AR303** (3)  
**LIFE DRAWING** F/Odd Years  
This course is a development of the creative potential of the figure in art through the various drawing media. Prerequisite: AR103 and AR203 or consent of instructor.

**AR305** (3)  
**INTERMEDIATE WATERCOLOR PAINTING** F  
This course provides a continuation of the study of techniques of AR205. Prerequisite AR205.

**AR306** (3)  
**INTERMEDIATE PAINTING** SP  
This course provides a continuation of the painting techniques introduced in Basic Painting with emphasis on the problems of visual organization. Prerequisite: AR206.

**AR308** (3)  
**INTERMEDIATE SCULPTURE** F  
This course provides a continuation of the techniques introduced in Basic Sculpture with emphasis on developing the student's skills and creativity. Prerequisite: AR208.

**AR310** (3)  
**INTERMEDIATE PRINTMAKING** SP/Odd Years  
This is a studio course in which printmaking techniques in intaglio printing and lithography are introduced. Prerequisite: AR103 or AR104 or consent of instructor.



**AR311** (3)  
**INTERMEDIATE PHOTOGRAPHY** SP/Odd Years  
 Various photographic techniques are analyzed to suit individual creative concerns. A wider range of photographic techniques is explored and the development of the student's personal photographic language is stressed.

**AR320** (3)  
**INTERMEDIATE CERAMICS** SP  
 This course covers a continuation of the processes introduced in Basic Ceramics including ceramic clays, techniques, and kiln construction. Emphasis is placed on creative utilization of materials and techniques and the development of a personal direction. Prerequisite: AR220.

**AR322** (3)  
**HISTORY OF TRADITIONAL JAPANESE ART** F/Odd Years  
 This course is an historical survey of traditional Japanese Art from Neolithic era to the Meiji period (1860's). Prerequisite: AR101 or consent of instructor.

**AR323** (3)  
**GALLERY MANAGEMENT AND EXHIBITION DESIGN** SP  
 This is a course that explores the technical aspects of gallery management and exhibition design. Prerequisite: AR101 or consent of instructor.

**AR326** (3)  
**ANALYSIS OF SPECIMENS AND DOCUMENTATION** F  
 This is a course that allows the student access to the permanent collection of the Isla Center for the Arts that consists of over 500 objects. Regions represented in the permanent collection include Micronesia, Japan, Papua New Guinea, and Europe. Proper handling and documentation techniques are introduced to emphasize the historical, cultural, and technical/artistic aspects of the objects in the collection. Prerequisite: AR101 or consent of the instructor.

**AR331** (3)  
**HISTORY OF ART I** SP/Even Years  
 This course covers the history of art from the prehistoric through the Gothic periods. Prerequisite: AR101 or consent of the instructor.

**AR332** (3)  
**HISTORY OF ART II** SP/Odd Years  
 This course covers the history of art from the Renaissance through the twentieth century. Prerequisite: AR101 or consent of the instructor.

**AR340** (3)  
**DIGITAL IMAGING TECHNIQUES** F/SP  
 Students explore digital imaging using scanners, digital cameras, and industry-standard software to develop and further refine skills in working with images, words, and ideas as they create solutions to a series of design problems. Concept-driven assignments have strong drawing components. Basic knowledge

of industry-standard software along with use of digital camera preferred but not required. Prerequisites: AR-103 Drawing I and AR-104 Basic Design or consent of instructor. AR405a-b

**AR384** (3)  
**ENVIRONMENTAL ART** SP/Odd Years  
 This course enables students to experience artistic activities in response to the environment, both man-made and natural. These may include tangible or conceptual projects undertaken by either individuals or the group. Emphasis of the course will be determined by the expertise of the instructor. Prerequisite: AR 103 and AR104 or AR204 or consent of the instructor.

**AR404** (3)  
**ADVANCED WATERCOLOR PAINTING I** F  
 The emphasis of this course is on the development of the student's ability to define and express original and personal artistic statements. Prerequisite: AR305

**AR405** (3)  
**ADVANCED WATERCOLOR PAINTING II** F  
 This is a continuation of AR405 to further extend the student's awareness and experience. Prerequisite: AR404

**AR406** (3)  
**ADVANCED PAINTING I** SP  
 Emphasis is placed upon the student's ability to define and express an original point of view. Prerequisite: AR306

**AR407** (3)  
**ADVANCED PAINTING II** SP  
 This is a continuation of AR406 to further extend the student's awareness and experience. Prerequisite: AR406

**AR408** (3)  
**ADVANCED SCULPTURE I** SP  
 This course continues AR308. An emphasis is placed on alerting the student to his own creative potential. Prerequisite: AR308 or consent of instructor.

**AR409** (3)  
**ADVANCED SCULPTURE II** SP  
 This is a continuation of AR408. This course involves individual projects and development of individual style. Prerequisite: AR408

**AR410** (3)  
**ADVANCED PRINTMAKING I** SP  
 This course offers the art student additional work in printmaking, with the option of focusing on only one, or several of the printmaking processes which include block printing (relief), silkscreen printing (serigraphy), intaglio printing (etching, engraving, drypoint, aquatint and mezzotint) and lithography. Prerequisite: AR210, AR310.



**AR411 (3)**  
**ADVANCED PRINTMAKING II SP**  
This course is a continuation of AR410. It offers the art student additional work in printmaking, with the option of focusing on additional printmaking processes which include block printing, silkscreen printing, intaglio printing and lithography. Prerequisite: AR410.

**AR420 (3)**  
**ADVANCED CERAMICS I SP**  
This course is a continuation of AR320, and involves development of individual style and individual projects. Emphasis is placed on creative utilization of materials and techniques and the development of a personal direction. Prerequisite: AR320.

**AR421 (3)**  
**ADVANCED CERAMICS II SP**  
This course is a continuation of AR420, and involves continued refinement of individual style and individual projects. Emphasis is placed on creative utilization of materials and techniques and the development of personal direction. Prerequisite: AR420.

## BUSINESS ADMINISTRATION (BA)

**NOTE:**

- A. **SBPA requirement: must complete EN111 and MA110 with a grade of 'C' or better before enrolling in any upper division courses.**
- B. **Courses in SBPA are identified by the second digit of the course number**

**BA110 (3)**  
**PRINCIPLES OF ECONOMICS F/SP**  
This course introduces the principles, terminology and fundamental concepts of microeconomics and macroeconomics. It is a foundation for understanding the scope and methods of the economic perspective applied to issues faced by modern capitalist societies. Topics include the role of economics in society, the structure of economic activity, the behavior of firms and households in a market economy, the role of government and institutions of public policy in the United States. Relevant examples from Guam, Micronesia and the Pacific Rim will be explored. Prerequisites: MA085-II Placement or higher.

**BA130 (3)**  
**INTRODUCTION TO COMPUTER OPERATIONS F/SP**  
This course introduces the student to basic terminology regarding the use of computers in management settings. Prerequisite: MA085-II placement.

**BA150 (3)**  
**INTRODUCTION TO HOSPITALITY SP**  
This course discusses the fundamentals of the hospitality industry by providing an overview of the various departments of a hotel. It also discusses the positions and career paths available to students interested in a career in the hospitality industry.

**BA200 (3)**  
**PRINCIPLES OF FINANCIAL ACCOUNTING F/SP/DE**  
The first semester covers basic accounting principles of financial accounting and techniques within a framework of sound modern theory. Prerequisite: BA130 and MA110 or MA161a/b or MA165 with a C grade or better. Instructor's consent required for online method of delivery.

**BA201 (3)**  
**PRINCIPLES OF MANAGERIAL ACCOUNTING F/SP**  
This course covers fundamental accounting principles for partnerships and corporations; introduction to management accounting and cost accounting practice work is included to meet current trends in technology. Prerequisite: BA200 with a grade of C or better.

**BA210 (3)**  
**BASIC STATISTICS FOR BUSINESS AND ECONOMICS F/SP**  
This course is an introduction to the modern theory and methodology of statistics as applied to business and economics. It emphasizes the fundamentals of statistics and the use of software for statistical analysis. The course is the first in a series of two required BBA Foundation courses, the second being BA310 Applied Statistics for Business Decisions. Prerequisite: BA110, and BA130, and MA110 or MA161a/b or MA165 with a C grade or better.

**BA230 (3)**  
**DATA PROCESSING AND DATA ADMINISTRATION F/Odd Years**  
This course develops skills in the areas of word processing, spreadsheets, and database management. Prerequisites: BA130 and MA110 or MA161a/b or MA165 with a C grade or better.

**BA240 (3)**  
**MANAGEMENT OF ORGANIZATIONS F/SP**  
This course is the study of the nature of business organizations and the functions of the manager within the organization. It also introduces theories and concepts underlying domestic and global management. Students are introduced to case analysis as a method for analyzing business and management issues.

**BA241 (3)**  
**HUMAN RESOURCE MANAGEMENT F/SP**  
This course covers the principles and techniques employed in the management of international human resources. Key areas such as employee selection, training, development, and performance appraisal are introduced. Approaches to gender, cultural, and ethnic diversity are stressed throughout the course. Students will develop a basic understanding of differences between HR functions in public and private sector systems. Prerequisite: Placement in EN111 and MA110 or MA161a/b or MA165 with a C grade or better.

**BA242 (3)**  
**INTRODUCTION TO ENTREPRENEURSHIP AND INNOVATION F/SP**  
Provides an overview of the principles, theories, and practice of entrepreneurship and innovation and how to take ideas and turn



them into a viable business enterprise. Emphases will be placed on the student understanding of how past entrepreneurs have used innovation methods to launch entrepreneurial ventures; and the basic foundations and terminology of entrepreneurship. Prerequisite: BA110, BA240 or concurrent.

**BA251** (3)  
**GUAM'S TOURISM PRODUCT** SP/Even Years  
This course is an inventory of the visitor industry on Guam that focuses on the island's attractions and its identity as a distinct tourist destination, as well as the public and private organizations that are associated with tourism and individual companies operating within the major tourism sectors. Guam's tourism policy, planning, and development are also examined from the perspective of its various stakeholders.

**BA252** (3)  
**INTERNATIONAL TOURISM** F/SP  
This course examines the dynamics of international tourism from various management perspectives. Special emphasis is placed on the market characteristics and distribution channels of inbound-outbound tourism affecting the Pacific Rim. Prerequisite: BA240 (MG351)

**BA260** (3)  
**FUNDAMENTALS OF MARKETING** F/SP  
This course covers the principles, practices, and concepts involved in the performance of business activities, which direct the transfer of goods and the acquisition of services from producer to consumer or user. Included are the study of marketing functions and institutions; activities having to do with effecting change in ownership and possession of goods and services; and the study of applied economics relating to the creation of time, place and possession utility.

**BA300** (3)  
**INTERMEDIATE ACCOUNTING I** F/SP  
Intermediate accounting provides technical knowledge in regard to the application of conceptual accounting knowledge to specific practice circumstances and the understanding of a wide scope and range of accounting topics. Prerequisite: BA201 with a grade of C or better.

**BA301** (3)  
**INTERMEDIATE ACCOUNTING II** F/SP  
Provides technical knowledge in regard to the application of conceptual accounting knowledge to specific practice circumstances and the understanding of a wide scope and range of accounting topics. Prerequisite: BA300 with a grade of C or better.

**BA303** (3)  
**GOVERNMENTAL ACCOUNTING FOR NON-ACCOUNTING MAJORS** F/SP  
This course is an introduction to the theory and procedure of general accounting practices of the non-profit segment of the economy. The semester covers the application of accounting information in planning and control for non-profit organizations.

**BA304** (3)  
**INCOME TAXATION** F/SP  
This course covers federal income taxation that pertains to individuals, corporations, partnerships, and estates and trusts.

Particular emphasis is given to areas of gross income, deductions and credits. Prerequisites: BA 201 with a grade of C or better.

**BA305** (3)  
**COST AND MANAGERIAL ACCOUNTING** F/SP  
This is a study of the fundamental managerial and cost accounting concepts and their application to the planning and control of the firm. Topics include cost accounting, budgeting, cost allocation, capital budgeting, and introduction to modern concepts like ABC, JIT and cost of quality. Prerequisite: BA201 with a grade of C or better.

**BA306** (3)  
**ADVANCED COST AND MANAGERIAL ACCOUNTING** SP  
This is a study of advanced topics in managerial and cost accounting. The course includes research on the application of managerial and cost accounting in the modern manufacturing environment. Prerequisite: BA305 with a grade of C or better.

**BA307** (3)  
**INTERNATIONAL ACCOUNTING** F/SP  
This course is designed to provide an understanding of international accounting issues to students who will be involved in international business as business and capital markets become more global. Prerequisite: BA301

**BA310** (3)  
**APPLIED STATISTICS FOR BUSINESS DECISION** F/SP  
This course provides advanced concepts in the modern theory and methodology of statistics as applied to business and economics. It builds upon fundamental statistics and the use of spreadsheet software, emphasizing their application to business decisions-making and problem solving. The course is the second in a series of two required BBA Foundation courses, the first being BA210 Basic Statistics for Business and Economics. Prerequisites: BA210 and BA240 with a grade of C or better in all 2 courses.

**BA311** (3)  
**INTERMEDIATE MACRO-ECONOMIC THEORY** F  
This course offers an in-depth discussion of Keynesian-NeoKeynesian-Neoclassical models of aggregate economic activity and the use of these models to shed light on such public policy questions as unemployment, inflation, taxation, poverty, trade, growth, money and interest rates. Prerequisite: BA210.

**BA312** (3)  
**INTERMEDIATE MICRO-ECONOMIC THEORY** SP  
This course offers an in-depth discussion of models relating to consumer behavior, market demand and price theory, the theory of the firm, and the impact of different market structures for outputs and inputs. Time permitting, the subjects of choice under uncertainty, welfare economics and general equilibrium theory are covered. Prerequisite: BA210.



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| <b>BA320</b><br><b>BASIC BUSINESS FINANCE</b><br>This course covers the finance function in business; procurement and utilization of funds; costs and problems associated with acquiring funds; forecasting profits gained through their use; and the organization necessary to carry out the finance function in business. Prerequisites: BA201 and BA210.  | (3)<br>F/SP          | <b>BA341</b><br><b>INTERNATIONAL BUSINESS ENVIRONMENT</b><br>This course consists of readings and analysis of social, economic, political, legal, and technological forces with which business organizations must contend. The course focuses on East Asia.  | (3)<br>SP           |
| <b>BA321</b><br><b>MONEY AND BANKING</b><br>This is the study of money, credit, and money markets; the structure and origins of the commercial banking and Federal Reserve Systems; and the application of monetary and fiscal policy within the American economy. Prerequisite: BA110.  | (3)<br>F             | <b>BA342</b><br><b>ENTREPRENEURSHIP: ISSUES AND SOLUTIONS IN BUSINESS START-UPS</b><br>Provides an overview of why small businesses fail and how to reduce this risk. Major functional areas of business will be covered through the use of case studies including the areas of: Finance, human resources, operations management, distribution channels, marketing, IT, and laws and government regulations. Prerequisite: BA240, BA242.   | (3)<br>SP           |
| <b>BA322</b><br><b>PERSONAL FINANCIAL PLANNING</b><br>This course is a software and web-based program that offers students the opportunity to develop a financial career plan for their personal and professional use. Elements of financial planning are presented and include: career aspects of financial planning; financial goals and objectives; personal financial statements and budget; cash and credit management; personal tax planning; housing, insurance and investment decisions; and retirement.   | (3)<br>F             | <b>BA345</b><br><b>MANAGING THE EMPLOYEE &amp; WORK ENVIRONMENT</b><br>This business and public administration management course examines employee management issues, practices and environmental forces that all managers, especially human resource (HR) managers, need in the workplace when managing diverse workforces. Focus will be on work environment practices, issues and applications including required record keeping and compliance activities. This course will help prepare students for eventual professional human resource management certification in these areas. Prerequisite: BA241 or Instructor's consent. | (3)<br>F/SP         |
| <b>BA323</b><br><b>CORPORATE FINANCE</b><br>This is an advanced course in the study of the elements of financial management in a business organization. Topics include financial forecasting, break-even analysis, capital budgeting, investment banking, capital financing and international finance. Prerequisite: BA320.  | (3)<br>F             | <b>BA350</b><br><b>HOTEL MANAGEMENT</b><br>This course examines the organization and characteristics of hotels and how they are effectively managed by applying the four management functions of planning, organizing, directing, and controlling. Case studies of successful general managers are examined from the perspective of their duties, responsibilities, challenges, rewards, and lifestyles. Prerequisite: BA240 (MG351).  | (3)<br>SP           |
| <b>BA330</b><br><b>INFORMATION TECHNOLOGY AND NETWORKS FOR BUSINESS</b><br>This course provides foundation concepts of information technology and data networks as a basic business infrastructure. It addresses the emerging roles of technology and communication networks in business operations. The course surveys popular and anticipated technology adopted by businesses, examines the strength and weakness of these technologies, and evaluates the cost and productivity implications of the deployment of technology. The course also addresses managerial and organizational issues surrounding the selection and implementation of technology, including the broad spectrum of telecommunication services. | (3)<br>F/SP          | <b>BA352</b><br><b>FOOD AND BEVERAGE MANAGEMENT</b><br>This course examines the principles of food and beverage management as a profit center in hotels. Components include the management of food production, restaurants and bars, banquets and catering, and room service. Prerequisite: BA240 (MG351).   | (3)<br>SP/Odd Years |
| <b>BA332</b><br><b>MULTIMEDIA DATABASE SYSTEM</b><br>This course features the theory, design, programming, and implementation of database management system. The emphasis is on microcomputer-based database. Prerequisite: BA330  | (3)<br>SP/Even Years | <b>BA361</b><br><b>CONSUMER BEHAVIOR</b><br>This is an interdisciplinary approach to the study of consumers and decision-making units for the purpose of systematically defining and selecting the organization's target market(s). The emphasis is on understanding behavioral science concepts, theories, and research findings with managerial applications. Prerequisite: BA260.   | (3)<br>F            |
| <b>BA333</b><br><b>MANAGEMENT INFORMATION SYSTEMS</b><br>This is a survey of information system topics from the managerial viewpoint. Major topics are an overview of MIS, systems analysis and design, database management, data communication, decision support systems and expert systems. Prerequisites: BA240 and BA330.  | (3)<br>F/SP          | <b>BA363</b><br><b>ADVERTISING AND SALES PROMOTION</b><br>This course covers basic concepts and functions of advertising and sales promotion; personal selling; point-of-sale promotion;   | (3)<br>SP           |



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consumer motivation; problems in utilizing and measuring effectiveness of advertising and sales promotion techniques. Prerequisite: BA260

**BA380 (3)**  
**E-BUSINESS SP**

This course examines the use of the Internet and electronic technology in business operations. The focus is on the emerging paradigm shift in business that has been affected by e-business models and their implications for conducting business, including the marketing of products and services via the Internet. Prerequisites: BA260 and BA330 co-requisite.

**BA400 (3)**  
**ADVANCED ACCOUNTING F/SP**

This course covers accounting principles and procedures peculiar to specialized areas such as partnerships, combinations, consolidations, foreign transactions and operations, and securities exchange commission reporting. Prerequisites: BA301 with a grade of C or better.

**BA401 (3)**  
**GOVERNMENT ACCOUNTING F/SP**

This course covers state and local accounting, non-profit accounting, accounting for grant monies, and federal accounting. Government accounting is different from commercial accounting, as this course will provide the student with a working knowledge of all echelons of governmental accounting within the United States. Prerequisite: BA301 with a grade of C or better.

**BA402 (3)**  
**ACCOUNTING SYSTEMS F/SP**

This course offers an analysis of theoretical models illustrating structure design and installation of specific accounting systems with emphasis on computer applications. Prerequisites: BA301, BA305 and BA330 with a grade of C or better in all 3 courses.

**BA403 (3)**  
**AUDITING F/SP**

This is an introduction to auditing theory and the techniques used in examination and verification of financial statements. Prerequisite: BA402 with a grade of C or better.

**BA404 (3)**  
**ADVANCED INCOME TAXATION F**

This course covers advance Federal Income Taxation with emphasis on research in the application of tax rules and regulations that pertain individuals, corporations, partnership, and estate and trusts. Prerequisites: BA304 with a grade of C or better.

**BA405 (3)**  
**ACCOUNTING INTERNSHIP F/SP**

The course prepares students for entering the accounting world by providing them with practical experience with an accounting firm or department. The course is designed for upper division students, preferably seniors, who have demonstrated proficiency in the foundation coursework required of all accounting majors. Prerequisite: Permission of instructor required to enroll and/or withdraw.

**BA406 (3)**  
**ETHICS FOR THE ACCOUNTANT F/SP**

This course is designed to provide accounting professionals and intensive treatment of post-Sarbanes-Oxley ethics (also post Enron-WorldCom era). Prerequisite: graduating senior. Instructors consent required.

**BA408 (3)**  
**AUDITING II As Required**

This course is designed to provide accounting majors a hands-on experience in the use of techniques for the planning and conduct of audits of financial statements. Prerequisite: BA403 and Instructors consent required.

**BA409 (3)**  
**SPECIAL STUDIES IN ACCOUNTING As Required**

This course provides students with the opportunity to study, in depth, a particular area in Accounting and Auditing. Prerequisite: BA301, BA305, BA307, and BA403.

**BA410 (3)**  
**MANAGERIAL ECONOMICS F**

This course covers phases of business economics most useful to managers of organizations: defining goals, measuring and forecasting demand, costs, and competition. Prerequisite: BA310.

**BA420 (3)**  
**INTERNATIONAL CORPORATE FINANCE SP**

This course examines the problems, techniques, and policies of financial decision-making in an enterprise operating in the international business environment. Class discussion includes the nature and purpose of international business, balance of payments, foreign exchange risk, currency markets, and managing three types of international monetary risk, direct investment decisions and the international debt crisis. Prerequisite: BA320.

**BA421 (3)**  
**INVESTMENTS AND REAL ESTATE SP**

This is an introductory course in the techniques of investing in the capital markets. A variety of investment vehicles are introduced, including: stocks, bonds, convertibles, warrants, stock options, mutual funds, precious metals, and real estate. Prerequisite: BA320.

**BA440 (3)**  
**ORGANIZATIONAL BEHAVIOR F/SP**

This course examines psychological aspects of management; analysis of behavior patterns in organizational relationships; integration of individuals and groups into effective, efficient-organizational structures. Prerequisites: BA240 (MG351), SO101 or PY101.

**BA441 (3)**  
**OPERATIONS AND PROJECT MANAGEMENT SP**

This is a survey course. The objective of the course is to provide the student with an understanding of those managerial concepts and quantitative tools required in the design, operations, and control of an operation system in any type of an organization. Special emphasis is placed on process management and continuous improvement. Prerequisite: BA210 (EC240).

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| <b>BA443</b><br><b>COMPENSATION, BENEFITS AND PERFORMANCE EVALUATION</b>   | (3)<br>SP           | <b>BA460</b><br><b>INTERNATIONAL MARKETING</b>  | (3)<br>F    |
| This business and public administration management course provides students with theoretical and practical knowledge of the design and implementation of effective compensation, benefits and performance evaluation programs. This course will help prepare students for eventual professional human resource management certification in these areas. Prerequisite: BA241 or consent of instructor.  |                     | The course covers the principles, practices, and concepts of marketing involved in exporting and importing. Included are studies of tariffs, embargoes, cartels, exchange rates, foreign markets, foreign investments, the role of foreign aid, and related legislation. Prerequisite: BA260  |             |
| <b>BA444</b><br><b>STAFFING AND EMPLOYEE DEVELOPMENT</b>   | (3)<br>F            | <b>BA461</b><br><b>MARKETING CHANNEL MANAGEMENT</b>   | (3)<br>F    |
| This business and public administration management course provides students with theoretical and practical knowledge about recruitment, selections, staffing and employee development. This course will help prepare students for eventual professional human resource management certification in these areas. Prerequisite: BA241 or consent of instructor.  |                     | This course addresses the principles, functions and analysis of problems in retailing; location and layout; and merchandise planning, buying and selling, organization, expense analysis and control. Prerequisite: BA260   |             |
| <b>BA/PE446</b><br><b>ENTREPRENEURSHIP: NEW VENTURE CREATION</b>   | (3)<br>SP           | <b>BA462</b><br><b>MARKETING RESEARCH</b>   | (3)<br>F    |
| This course provides an opportunity to develop a business plan through the application of the principles, theories and practices learned in the previous entrepreneurship courses. Emphasis will be placed on the practicability of the plan and the ability to present the concept as a viable and profitable business venture. Prerequisite: BA242, BA342.   |                     | This course covers the principles, procedures, and concepts involved in gathering, recording, and analyzing facts about problems relating to the sale and transfer of goods and services from producer to consumer. Included are studies of relation-preparation of commodities for sale, physical distribution, wholesale and retail merchandising, and financial problems. Prerequisites: BA260, BA310              |             |
| <b>BA450</b><br><b>TOURISM RESEARCH AND MARKET DEVELOPMENT</b>   | (3)<br>SP/Odd Years | <b>BA463</b><br><b>MARKETING MANAGEMENT</b>   | (3)<br>SP   |
| This course examines the innovative and dynamic environment of international tourism marketing. It discusses the nuances of tourism products and services that require the development of distinctive marketing approaches and strategies. It reviews the various techniques utilized to conduct tourism research and the analysis and application of their findings in order to formulate effective marketing plans and remain competitive in the international market place. The Internet will be utilized as a database for market research and as tool for market penetration. Prerequisites: BA260 (MK262) and BA350 (IT330). |                     | This course builds on the concepts and theories covered in the introductory, Marketing subjects, as well as those learned in subsequent Marketing course work. As a capstone marketing major course, this course focuses on strategic marketing analysis and planning at both the corporate and SBU levels. Prerequisites: BA260 - Senior level status.   |             |
| <b>BA451</b><br><b>TOURISM/HOTEL INTERNSHIP</b>  | (3)<br>F/SP         | <b>BA480</b><br><b>BUSINESS STRATEGY AND POLICY</b>   | (3)<br>F/SP |
| This is a trainee, residency, or intern program in which the student works in a technical or professional area under the supervision of an expert in the field.  |                     | This course is the capstone of the Bachelor of Business Administration (BBA) degree program, integrating concepts and skills learned in the BBA Foundation and BBA Concentration. Strategic business problems are examined from executive management and firm perspectives. Prerequisite: Graduating Seniors.   |             |
| <b>BA453</b><br><b>TOURISM POLICY, PLANNING AND DEVELOPMENT</b>  | (3)<br>F            | <b>BA481</b><br><b>PRACTICAL APPLICATION IN SMALL BUSINESS MANAGEMENT</b>   | (3)<br>F/SP |
| This course examines the numerous issues that a community must consider in establishing and guiding a successful tourism industry. Among the topics are selecting the type of tourism that is most appropriate for a community, the identification and utilization of necessary resources, and the regulation of tourism. Prerequisite: BA240 (MG351).   |                     | This course provides instruction and experience in small business. It addresses both Entrepreneurship and the management of small business operations. The course also has a practical orientation. Students intern for 80 hours with the Guam Small Business Development Center (SBDC), assisting small businesses as defined by the U.S. Small Business Administration. Prerequisites: BA260 and Senior standing.   |             |
|  |                     | <b>BA482</b><br><b>BUSINESS/RESEARCH INTERNSHIP</b>   | (3)<br>F/SP |
|  |                     | This course is a 120-hour business internship with a business firm or government organization, or a 120-hour research internship with a SBPA faculty member. The business internship is designed for those who intend to pursue business careers. The research internship is designed for students who intend to pursue graduate work. Internships are offered selectively to students who have demonstrated superior |             |



performance in their previous business coursework (see prerequisites). Students gain practical and applied experience by working on a project in a technical or professional area under the direct supervision of a practicing manager or faculty member. Selection of the organization sponsoring the business internship is a joint process involving the student, SBPA Internship Coordinator and representatives from interested firms. A research internship is a joint process involving the student, SBPA Internship Coordinator and a SBPA faculty member. The course may be repeated once. Prerequisites: overall 3.2 GPA in business courses, 2 BBA Concentration courses, Senior standing.

**BA491 (3)**  
**SEMINAR IN MARKETING F/SP**

The Seminar provides the opportunity for study and discussion of significant topics and problems in the field of marketing. Prerequisites: BA210, BA260

## BIOLOGY (BI)

**BI100 (3)**  
**ENVIRONMENTAL BIOLOGY F/SP**

This is a one-semester course in general principles of environmental biology, conservation of the environment, and human ecology. It does count as credit toward a major I biology and toward the general education requirements. The course consists of three hours of lecture weekly. The lab, BI100L, MUST be taken concurrently. Co requisite: BI100L

**BI100L (1)**  
**ENVIRONMENTAL BIOLOGY F/SP**  
**LABORATORY**

BI100L is the laboratory portion of BI100 and MUST be taken concurrently. The course consists of one three-hour laboratory per week. Co requisite: BI100

**BI103 (3)**  
**MARINE BIOLOGY SP**

This course is an introduction to the biology of the marine environment, with particular emphasis on marine environments of Micronesia and their importance to man. Laboratory exercises and field trips bring students into personal contact with local marine organisms and their habitats. It includes three hours of lecture weekly. The lab, BI103L, MUST be taken concurrently. Co requisite: BI103L

**BI103L (1)**  
**MARINE BIOLOGY SP**  
**LABORATORY**

BI103L is the laboratory portion of BI103 and MUST be taken concurrently. The course consists of one three-hour laboratory per week. Co requisite: BI103

**BI110 (3)**  
**HUMAN BIOLOGY As Resources Permit**

This is an introductory course designed for non-major undergraduate students as well as for students interested in choosing Biology as their major and who may have no background in Biology. This course emphasizes core biological

concepts as it relates to human life – how our bodies work, how our genes, environmental factors and disease causing organisms affect our health. Special focus is on the recent advances in molecular biology, genetic engineering, and gene therapy as a potential cure for human disease. This course includes three hours of lecture weekly. The laboratory, BI 110L must be taken concurrently. Prerequisites: MA085 or Placement; EN110 Placement or above; Co requisite: BI110L.

**BI110L (1)**  
**HUMAN BIOLOGY LAB As Resources Permit**

This is an introductory biology laboratory course with a human focus that must be taken concurrently with the BI1010 Human Biology Lecture course. Experiments involving a variety of biological systems are conducted in order to investigate fundamental biological concepts and to understand how our bodies function. Basic molecules and genes in order to improve food production, produce medically important products, and to treat disease in humans. This course includes three hours of laboratory work per week. Co requisite: BI110; Prerequisite: MA085 level II or Placement; Placement in EN110 or above.

**BI124 (3)**  
**HUMAN ANATOMY AND F**  
**PHYSIOLOGY I**

This is the first part of a two-semester course in the study of the structure and function of the human body. This part will examine the integumentary, skeletal, muscular, and nervous systems from the level of cells, to tissues, to organs, to the whole organism. Homeostatic control mechanisms in the healthy human for these systems will be stressed. The course includes 3 hours of lecture each week. The lab, BI 124L should be taken concurrently. Prerequisite or concurrent enrollment EN110 Co requisite: BI124L.

**BI124L (1)**  
**HUMAN ANATOMY AND F**  
**PHYSIOLOGY I LABORATORY**

BI124L is the laboratory portion of BI124 and MUST be taken concurrently. The course consists of one three-hour laboratory period per week. Co requisite: BI124

**BI125 (3)**  
**HUMAN ANATOMY AND SP**  
**PHYSIOLOGY II**

This is the second part of a two-semester course in the study of the structure and functions of the systems of the human body. In this part, aspects of the nervous, circulatory, immune, digestive, reproductive, and excretory systems are investigated. The course consists of three hours of lecture weekly. The lab, BI125L, MUST be taken concurrently. Prerequisite: BI124-124L Co requisite: BI125L

**BI125L (1)**  
**HUMAN ANATOMY AND SP**  
**PHYSIOLOGY II LABORATORY**

BI125L is the laboratory portion of BI125 and MUST be taken concurrently. The course consists of one three-hour laboratory period per week. Co requisite: BI125



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| <b>BI157</b><br><b>PRINCIPLES OF BIOLOGY I</b><br>The first semester of a two-semester course covers basics of evolutionary theory and Sub-cellular through cellular biology. It is required for all biology majors and may be used by others to satisfy the general education requirements. It includes three hours of lecture weekly. The lab, BI 157L, MUST be taken concurrently. Prerequisite: BI 100 & BI 100L and Co requisite: BI 157L. Students majoring in other programs or minoring in Biology may substitute another introductory science class for BI 100 or request a waiver of the prerequisite. | (3)<br>SP | <b>BI225</b><br><b>BASIC MICROBIOLOGY</b><br>This course is a survey of the characteristics and significance of microorganisms from environmental, industrial, and medical perspectives. It includes two 2-hour laboratories and 3 hours of lecture weekly. Prerequisite: BI157-157L and BI158-158L or BI124-124L and BI125-125L with grade of C, a year of college chemistry, CH 100-100L and CH 101-101L.  | (4)<br>F            |
| <b>BI157L</b><br><b>PRINCIPLES OF BIOLOGY I LABORATORY</b><br>BI157L is the laboratory portion of BI157 and MUST be taken concurrently. The course consists of one three-hour laboratory period per week. Co requisite: BI157  | (1)<br>SP | <b>BI225L</b><br><b>BASIC MICROBIOLOGY LABORATORY</b><br>BI225L is the laboratory portion of BI225 and MUST be taken concurrently. The course consists of two 2-hour laboratories and 3 hours of lecture weekly. Co requisite: BI225   | (0)<br>F            |
| <b>BI158</b><br><b>PRINCIPLES OF BIOLOGY II</b><br>The second semester of a two-semester course covers the fundamental of organismal through super-organismal biology. It is required of all biology majors and may be used by others to satisfy the general education requirements. It includes three hours of lecture weekly. The lab, BI 158L, MUST be taken concurrently. Co requisite: BI 158L. Prerequisites: BI 157 & BI 157L.  | (3)<br>F  | <b>BI302</b><br><b>PLANT DIVERSITY &amp; MICROSCOPY</b><br>Students learn principles of modern botanical systematic and phylogeny through observing and describing characteristics of photosynthetic organisms, especially the algal protists. Students learn to use research-level photo microscopy to document and describe biodiversity among the eukaryotic micro biota of Guam. 3 H lecture + 3 H lab. Prerequisites: BI157 & BI157L.   | (4)<br>F/Even Years |
| <b>BI158L</b><br><b>PRINCIPLES OF BIOLOGY II LABORATORY</b><br>BI158L is the laboratory portion of BI158 and MUST be taken concurrently. The course consists of one three-hour laboratory period per week. Co requisite: BI158   | (1)<br>F  | <b>BI303</b><br><b>ANIMAL DIVERSITY</b><br>This course is a phylogenetic survey of the animal Protista and Animalia with emphasis on structure and function of major phyla. It includes three hours of lecture weekly. The lab, BI303L, MUST be taken concurrently. Prerequisite: BI157-157L and BI158-158L or equivalent. Co requisite: BI303L  | (3)<br>SP/Odd Years |
| <b>BI201</b><br><b>NATURAL HISTORY OF GUAM</b> As Resource Permit<br>This course is a natural history of Guam that includes the development of the Mariana Islands arc, geologic history, physical geography, and a survey of the major groups of plants and animals. The course is presented by using a variety of methods including lectures, slide presentations, field specimen studies and field trips.   | (3)       | <b>BI303L</b><br><b>ANIMAL DIVERSITY LABORATORY</b><br>BI303L is the laboratory portion of BI303 and MUST be taken concurrently. The course consists of one three-hour laboratory period per week. Co requisite: BI303   | (1)<br>SP/Odd Years |
| <b>BI212</b><br><b>OCEANOGRAPHY</b><br>Oceanography is an introductory survey of the physics, geology, meteorology, chemistry, and biology of the oceans and their sediments, including sampling techniques and methods of analysis. The course consists of three hours of lecture weekly. The lab, BI212L, MUST be taken concurrently. Prerequisites: Consent of instructor. Co requisite: BI212L   | (3)<br>SP | <b>BI310</b><br><b>EVOLUTION</b><br>This course is an introduction to the modern theory of evolution. The focus of the course is on the mechanisms that cause the evolution of adaptations and new species. The pattern of evolution in the fossil record is analyzed to understand the causes of speciation and extinction patterns. The ability of evolutionary theory to inform studies in other areas of biology (such as genetics, morphology, and ecology) is stressed. The course consists of three hours of lecture weekly. Prerequisite: BI157/157L and BI158/158L. | (3)<br>SP/Odd Years |
| <b>BI212L</b><br><b>OCEANOGRAPHY LABORATORY</b><br>BI212L is the laboratory portion of BI212 and MUST be taken concurrently. The course consists of one three-hour laboratory period per week. Co requisite: BI212   | (1)<br>SP | <b>BI315</b><br><b>GENERAL GENETICS</b><br>Basic principles of heredity, including biochemical genetics and population aspects, are covered. The course includes three hours of lecture weekly. The lab, BI315L, MUST be taken concurrently. Prerequisite: BI157-157L and BI158-158L or permission of instructor. Co requisite: BI315L.  | (3)<br>F/Odd Years  |



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| <b>BI315L</b><br><b>GENERAL GENETICS</b><br><b>LABORATORY</b>  | (1)<br><b>F/Odd Years</b>   | includes three hours of lecture weekly. The lab, BI365L, MUST be taken concurrently. Prerequisite: BI157-157L and BI158-158L or equivalent. Co requisite: BI365L.  |
| <b>BI320</b><br><b>BIODIVERSITY PHOTOMICROSCOPY</b>  | (2)<br><b>F</b>             | <b>BI365L</b><br><b>TAXONOMY OF VASCULAR</b><br><b>PLANTS LABORATORY</b>   |
| Effective use of digital photomicrography and presentation software to write, illustrate and orally present a structurally correct and cohesive laboratory report or journal note using scientific format and the appropriate discourse genres for each section. Prerequisites: BI157 and 158, EN111 or permission of instructor. Students are expected to be enrolled in upper division biology/chemistry courses.            |                             | BI365L is the laboratory portion of BI365 and MUST be taken concurrently. The course consists of one three-hour laboratory period per week. Co requisite: BI365  |
| <b>BI321</b><br><b>SCIENCE ARGUMENTS</b>   | (2)<br><b>SP</b>            | <b>BI/MA387</b><br><b>STATISTICS FOR SCIENCES</b>  |
| Writing and analyzing <i>scientific</i> arguments for effectively presenting scientific work and career aspirations and for getting accepted to graduate school. Prerequisites: BI157 and 158, and BI320 or permission of instructor. Students are expected to be enrolled in upper division biology/chemistry courses.  |                             | (4)<br><b>SP</b>   |
| <b>BI333</b><br><b>COMPARATIVE VERTEBRATE</b><br><b>ANATOMY</b>  | (3)<br><b>SP/Even Years</b> | The topics include exploring data in graphs and in numerical values, introducing basic probability theory for statistics, sampling distributions, estimation theory, testing hypothesis, correlation, variance analysis, and non-parametric statistics. Students develop their own statistical programs to solve statistical problems. Prerequisite: Grade C or better in MA161a or higher. Students enrolled in MA387 Statistics for Sciences for credit may not also earn credit for MA385 Applied Statics.  |
| This course is a study of the basic morphology of vertebrates, with lecture emphasis on the evolution of vertebrate systems and laboratory emphasis on dissection of these systems in selected vertebrates. It includes three hours of lecture weekly. The lab, BI333L, MUST be taken concurrently. Prerequisite: BI157-157L and BI158-158L or equivalent. Co requisite: BI333L  |                             | <b>BI392</b><br><b>LABORATORY TEACHING</b><br><b>AND ASSISTING</b>   |
| <b>BI333L</b><br><b>COMPARATIVE VERTEBRATE</b><br><b>ANATOMY LABORATORY</b>  | (1)<br><b>SP/Even Years</b> | (1-3)<br><b>F/SP</b>   |
| BI333L is the laboratory portion of BI333 and MUST be taken concurrently. The course consists of one three-hour laboratory period per week. Co requisite: BI333  |                             | This course provides for practical educational experience in undergraduate course laboratories. It may be taken more than once for credit. Prerequisites: Completion of the course in which the laboratory is offered, or of an equivalent course, and consent of instructor.  |
| <b>BI/AG345</b><br><b>GENERAL ENTOMOLOGY</b>   | (4)<br><b>F/Odd Years</b>   | <b>BI/PY405</b><br><b>ANIMAL BEHAVIOR</b>  |
| This course is an overview of insect biology with emphasis on fundamental problems encountered by insects, and the structural and functional adaptations used to overcome these problems. The laboratory focuses on insect identification. An insect collection is required. The course meets for three hours of lecture weekly. Prerequisites: BI157-157L or AG109 or AG240 or consent of instructor. Co requisite: BI/AG345L |                             | (3)<br><b>F/Odd Years</b>  |
| <b>BI/AG345L</b><br><b>GENERAL ENTOMOLOGY</b><br><b>LABORATORY</b>   | (1)<br><b>F/Odd Years</b>   | The investigation of animal behavior involves the comparison of behavior across a wide range of animal species. Emphasis will be on principles and phenomena in animal development, control of behavior, communication, feeding, reproduction, habitat selection, and mating systems. Evolutionary theory, as a framework for the adaptive character of behavior in animals and humans, is emphasized. Some semesters may involve intensive investigation of the behavior of a single animal species in the Micronesian region. Prerequisite: PY101 or BI158. Co requisite: BI/PY405L. |
| BI/AG345L is the lab portion of BI/AG345 and must be taken concurrently. The course consists of one three-hour laboratory period per week. Co requisite: BI/AG345  |                             | <b>BI/PY405L</b><br><b>ANIMAL BEHAVIOR</b><br><b>LABORATORY</b>  |
| <b>BI365</b><br><b>TAXONOMY OF</b><br><b>VASCULAR PLANTS</b>   | (3)<br><b>F/Odd Years</b>   | (1)<br><b>F/Odd Years</b>  |
| This course covers the principles, practices, and significance of plant classification, as illustrated by the flora of Guam. It  |                             | BI/PY405L, is the Laboratory component of BI/PY405 and MUST be taken concurrently. The course meets for three hours per week. Students learn about animal laboratory procedures and basic phenomena by working with experimental animals and local critters. Prerequisite: PY101 or BI158. Co requisite: BI/PY405.   |
|  |                             | <b>BI410</b><br><b>ECOLOGY</b>   |
|  |                             | (5)<br><b>SP</b>   |
|  |                             | A study of fundamental concepts and methods of ecology illustrated by the examination of local natural systems; vegetational, faunal, and physical factors of the environment are considered. The course includes three hours of lecture weekly and six hours of laboratory weekly. Prerequisite: Any ONE of the following lecture & lab pairs: BI225 & BI225L or BI302 & BI302L or BI 303 & BI 303L or BI333 & BI333L or BI365 & BI365L.  |



**BI412** (3)  
**BIOMETRICS** F  
This is a basic course in the design and analysis of biological experiments. Emphasis is given to analysis of biological and medical data. The course consists of three hours of lecture weekly. The lab, BI412L, MUST be taken concurrently. Prerequisite: College Algebra, BI158 & BI158L and BI310. Co requisite: BI412L

**BI412L** (1)  
**BIOMETRICS LABORATORY** F  
BI412L is the laboratory portion of BI412 and MUST be taken concurrently. The course consists of one three-hour laboratory period per week. Co requisite: BI412

**BI416** (3)  
**CELLULAR PHYSIOLOGY** SP/Even Years  
This course focuses on the advanced molecular cell biology approaches including recombinant DNA technology, advanced microscopy, protein interaction technologies, and model in vivo & in vitro experimental systems that have led to an unprecedented level of understanding of the structure and function of the cell, the fundamental unit of life. Student will learn to find rational explanations and unifying concepts from a large and rapidly evolving body of knowledge, in order to understand the mechanism by which the cell functions as well as the molecular basis of disease. Principle topics include cellular macromolecules & regulatory factors, membrane structure & membrane transport, cell nucleus & gene expression, cell signaling, the immune system, and cancer biology. This course prepares students for careers in bio-medical research, medicine, biotechnology & agriculture related industry. The lab, BI416L MUST be taken concurrently. A. Prerequisite: CH102, CH102L, CH103, CH103L, BI315, & BI315L. Co requisite: BI416L.

**BI416L** (1)  
**CELLULAR PHYSIOLOGY LABORATORY** SP/Even Years  
BI416L is the laboratory portion of BI416 and MUST be taken concurrently. The course consists of one three-hour laboratory period per week. Prerequisites CH 102, CH 102L & CH 103, CH 103L, BI 315 & 315L. Co requisite: BI416

**BI/CH419** (3)  
**BIOCHEMISTRY** SP/Odd Years  
This course covers the principles of protein chemistry and enzyme nomenclature, catalysis, kinetics, and control. It includes three hours of lecture weekly. The lab, BI/CH419L, MUST be taken concurrently. Prerequisite: CH310a, CH311, CH310b and CH312 or concurrent enrollment, BI157-157L and BI158-158L or equivalent. Co requisite: BI/CH419L

**BI/CH419L** (1)  
**BIOCHEMISTRY LABORATORY** SP/Odd Years  
BI/CH419L is the laboratory portion of BI/CH419 and MUST be taken concurrently. The course consists of one three-hour laboratory period per week. Co requisite: BI/CH419

**BI425/G** (3)  
**MOLECULAR BIOLOGY** SP/Odd Years  
This course is designed for students who are planning on entering graduate and professional programs in the biological and medical sciences or careers in the biotechnology industry. This course highlights current concepts and trends in molecular biology as well as the latest developments in novel molecular approaches for detection and treatment of diseases. Selected topics in Immunology, Cardiovascular Biology, Tumor Viruses and Cancer Biology, Viral Pathogenesis, and Neurobiology are the focus of this course. Prerequisite: BI416 & BI416L, or equivalent. Co requisite: BI425/G/L.

**BI425/L** (2)  
**MOLECULAR BIOLOGY LABORATORY** SP/Odd Years  
BI 425L is the molecular biology laboratory course that is taken concurrently with BI425. In this course, expression and control of eukaryotic genes is investigated in a research project format. Laboratory work involves the use of RNA & DNA techniques, protein methods, reporter gene assays, fluorescence microscopy, and the use of molecular biological computer databases to predict structure and function from nucleic acid & protein sequences. Prerequisites: BI416 & BI416L, or equivalent. Co requisite: BI425.

**BI/AG430** (3)  
**SCIENTIFIC PHOTOGRAPHY** SP/Even Years  
Photography is one of the primary means through which scientific observation and research is documented and presented to colleagues and the public. By developing technical observational and aesthetic skills, students will learn how to extract relevant information from nature using macro-photography, photomicrography, special techniques and digital processing. Students will learn the basics of photography and the use of a computer as the digital darkroom. This course includes two hours of lecture and three hours of laboratory; weekly. Laboratories will either be field activities or hands-on experience in the classroom. AG/BI430L is the laboratory portion of AG/BI430 and MUST be taken concurrently. Co requisite: AG/BI430L.

**BI/AG430L** (1)  
**SCIENTIFIC PHOTOGRAPHY LAB** SP/Even Years  
Photography is one of the primary means through which scientific observation and research is documented and presented to colleagues and the public. By developing technical observational and aesthetic skills, students will learn how to extract relevant information from nature using macro-photography, photomicrography, special techniques and digital processing. Students will learn the basics of photography and the use of a computer as the digital darkroom. BI/AG430L is the laboratory portion of BI/AG430 and MUST be taken concurrently. The course consists of two hours of lecture and three hours laboratory period per week. Co requisite: BI/AG430

**BI440** (3)  
**ICHTHYOLOGY** SP/Even Years  
This course is a survey of the classification and morphology of fishes with emphasis on local forms. It includes three hours of lecture weekly. The lab, BI440L, MUST be taken concurrently. Prerequisite: BI157-157L and BI158-158L or equivalent. Co requisite: BI440L

**BI440L** (1)  
**ICHTHYOLOGY  
LABORATORY** SP/Even Years  
BI440L is the laboratory portion of BI440 and MUST be taken concurrently. The course consists of one three-hour laboratory period per week. Co requisite: BI440.

**BI474** (4)  
**MARINE BOTANY** SP/Odd Years  
This course provides students an in-depth exploration of the marine plants in the region with an emphasis on how the physiology and ecology of seaweed's and microalgae relate to environmental conditions in the sea. Prerequisites: BI302.

## CHAMORRO STUDIES (CM)

**CM101** (4)  
**ELEMENTARY CHAMORRO** F/SP  
This is a beginning course with emphasis on oral-aural competency.

**CM102** (4)  
**ELEMENTARY CHAMORRO II** SP  
This is a continuation of CM101. Emphasis is on improving and adding to the oral-aural competency gained in CM101. Reading in the Chamorro language is also introduced, and more complex language structures and concepts are taught. Prerequisite: CM101; two-year high school Chamorro, or consent of instructor.

**CM201** (4)  
**INTERMEDIATE CHAMORRO I** F  
This is an intermediate level Chamorro language course, which continues the oral-aural development of CM101 and CM102. Vocabulary development and expansion continues; however, the primary emphasis is on comprehending and utilizing more complicated language structures in the Chamorro language, as well as application and usage of the numerous affixation processes. Reading comprehension and reading skills are introduced. Prerequisite: CM102, or consent of instructor.

**CM202** (4)  
**INTERMEDIATE CHAMORRO II** SP  
CM202 is the second semester, second year Chamorro course, which is a continuation of CM201 Intermediate Chamorro I. Vocabulary development and expansion continues in four designated specialized areas; however, the primary emphasis is on comprehending and utilizing more advanced language structures. Prerequisite: CM201

**CM301** (4)  
**ADVANCED CHAMORRO I-  
READING** F/Even Years  
This course emphasizes reading competency, further development of oral-aural skills, and the phonological and morphological structures of the Chamorro language. Prerequisites: CM201 and CM202

**CM302** (4)  
**ADVANCED CHAMORRO II-  
WRITING** SP/Odd Years  
This course emphasizes writing competency, further development of oral-aural skills, and the syntactical and semantic structures of the Chamorro language, and Chamorro orthography. Prerequisites: CM202 and CM301

**CM340** (3)  
**CHAMORU CULTURE** F/Odd Years  
This course provides a survey of Chamoru cultural forms, such as dance, music, chant, storytelling, and graphic and textile art, against a background understanding of culture as a dynamic expression of changing historical conditions in the Mariana Islands from ancient to contemporary times. Prerequisites: CM101 and CM 102 or consent of instructor.

**CM 412** (3)  
**TOPICS IN CHAMORRO STUDIES** F/Even Years  
This course is an intensive study of a specific topic or theme relative to historical analysis of the Mariana colonial legacy and contemporary issues including Chamorro cultural survival, land, social and economic development, political status, religion, and modern modes of scholarly inquiry in the Mariana Islands. This course is designed as a senior capstone course for majors in the Chamorro Studies BA program offered by the College of Liberal Arts and Social Sciences (CLASS). It furthers content covered in introductory courses such as The History of Guam (HI211) or those relevant to aspects of Chamorro Studies such as History of Micronesia (HI 243), People of the Pacific (AN320), Literature of Guam, Micronesia, and the Pacific (EN333), and Political Development in the Western Pacific (PS412). With different subject matter, this course may be taken more than once for credit. Prerequisites: HI 211.

## CHEMISTRY (CH)

**CH100** (3)  
**INTRODUCTION TO  
INORGANIC CHEMISTRY** F  
This is a one-semester course for students preparing for technical training in natural sciences or laboratory work. The course covers the elementary principles of inorganic chemistry emphasizing nomenclature, stoichiometry, and solution chemistry. It includes three hours of lecture weekly. The lab, CH100L, MUST be taken concurrently. Prerequisite: Completion of MA085 level II. Co requisite: CH100L

**CH100L**  
**INTRODUCTION TO INORGANIC  
CHEMISTRY LABORATORY** (1)  
F  
CH100L is the laboratory portion of CH100 and MUST be taken concurrently. The course consists of one three-hour laboratory period per week. Co-requisite: CH100



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**CH101 (3)**  
**INTRODUCTION TO ORGANIC CHEMISTRY**  
This course covers basic concepts in organic chemistry and is tailored for students preparing for technical training in the natural sciences. The course covers the chemical and physical properties of simple carbon compounds and its applications. Co-requisite: CH101L. Prerequisite: CH100 and CH100L, or consent of instructor.

**CH101L (1)**  
**INTRODUCTION TO ORGANIC CHEMISTRY LABORATORY SP**  
CH101L is the laboratory component of CH101 and must be taken concurrently. The course consists of one three-hour laboratory period per week. Co-requisite: CH101 Prerequisite: CH100 and CH100L.

**CH102 (3)**  
**GENERAL CHEMISTRY F**  
This course is designed for science majors and minors and emphasizes an in-depth study of modern chemical principles, theories, and laws pertaining to atomic structure, nature of the chemical bond, and stoichiometric considerations of all aspects of inorganic chemistry. It includes three hours of lecture weekly. The lab, CH102L, MUST be taken concurrently. Prerequisite: Demonstrated proficiency at the MA161 level or concurrent enrollment in 161a. Co requisite: CH102L

**CH102L (1)**  
**GENERAL CHEMISTRY LABORATORY F**  
CH102L is the laboratory portion of CH102 and MUST be taken concurrently. The course consists of one three-hour laboratory period per week. Co requisite: CH102

**CH103 (3)**  
**GENERAL CHEMISTRY SP**  
This course is a continuation of CH102-102L with further study of reactions and stoichiometric problems. The periodic table is studied with emphasis on physical and chemical group properties. Thermo chemistry, electrochemistry, nuclear chemistry and organic chemistry are introduced with respect to data gathering and simple deduction. It includes three hours of lecture weekly. The lab, CH103L, MUST be taken concurrently. Prerequisites: CH102-102L, and MA161a or MA161b or MA165 or higher level, or placement at this level. (CH100-100L may be substituted for CH102-102L by program consent). Co requisite: CH103L.

**CH103L (1)**  
**GENERAL CHEMISTRY LABORATORY SP**  
CH103L is the laboratory portion of CH103 and MUST be taken concurrently. The course consists of one three-hour laboratory period per week. Co requisite: CH103

**CH110 (3)**  
**CHEMISTRY AND SOCIETY F/DE**  
This is an introductory course that covers a broad perspective on the knowledge and insights that chemistry provide to our environment and society. The course will offered online (via Moodle platform) and will highlight topics related to basic principles of chemistry, modern applications of chemistry, and environmental issues of chemistry. It is intended for non-science major students who might not have a background in chemistry. Instructors consent.

**CH110L (1)**  
**CHEMISTRY AND SOCIETY F/DE**  
**LABORATORY**  
This course introduces students to the fundamental of scientific method. Students will conduct experimentation through a virtual laboratory and produce laboratory report online. The laboratory exercises will complement the topics covered in the theory, including, gas laws, stoichiometry, acids and bases, and quantitative analysis. Other topics that demonstrate the relevance of chemistry in our everyday experience will be included as needed. All the labs will be conducted online (virtually) at [www.latenitelabs.com](http://www.latenitelabs.com), which is a well established platform for conducting virtual experiments and currently used by Schools and Universities in USA. Co requisite: CH110

**CH310a-b (3-3)**  
**ORGANIC CHEMISTRY a-F,b-SP**  
This is a full-year lecture sequence covering the general principles of organic chemistry with emphasis on structure, stereochemistry, nomenclature, basic reactions and mechanisms and the occurrence and uses of main classes of compounds. Prerequisite: CH103-103L

**CH311 (2)**  
**BASIC LABORATORY TECHNIQUES IN ORGANIC CHEMISTRY F**  
This course consists of laboratory work in organic chemistry with emphasis on the development of manipulative skills in such techniques as distillations, reduced pressure fractionations, chromatography, and crystallization, and constructions of apparatus utilized in the preparations, purification, identification and study of simple organic compounds. Six hours of laboratory are held per week. Co requisite: CH310a.

**CH312 (2)**  
**LABORATORY TECHNIQUES IN ORGANIC CHEMISTRY SP**  
This course is a continuation of CH311 with emphasis on continued development of manipulative skills as required by preparation, purification, identification and study of more complex organic compounds. It consists of six hours of laboratory work per week. Prerequisite: CH311. Co requisite: CH310b

**CH330 (3)**  
**QUANTITATIVE ANALYSIS F/Odd Years**  
This course is a study of select quantitative schemes as utilized in volumetric and gravimetric analyses with emphasis upon acquiring an understanding of the basic theoretical principles involved. Laboratory emphasis is on the development of useful techniques consistent with the present state of the art and reduction to laboratory practice of the theories studied. It includes three hours of lecture weekly. The lab, CH330L, MUST be taken concurrently. Prerequisite: CH103-103L Co requisite: CH330L

**CH330L (2)**  
**QUANTITATIVE ANALYSIS LABORATORY F/Odd Years**  
CH330L is the laboratory portion of CH330 and MUST be taken concurrently. The course consists of six hours of laboratory work per week. Co requisite: CH330



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**CH/NS392** (1-3)  
**LABORATORY TEACHING AND ASSISTING** F/SP  
This course provides for practical educational experience in undergraduate course laboratories. It may be taken more than once for credit. Prerequisite: Completion of course in which laboratory is offered, or of an equivalent course and consent of instructor.

**CH410** (3)  
**INSTRUMENT METHODS OF ANALYSIS** SP/Even Years  
This course is a study of potentiometric, colorimetric, spectrophotometric, polarographic, calorimetric and other instrument methods of analysis, as available. Emphasis is on practical utilization of instrumentation in the field of analytical chemistry. It includes three hours of lecture weekly. The lab, CH410L, MUST be taken concurrently. Prerequisites: CH310a-b, 311, 312, 330, and MA161a-b or consent of program. Co requisite: CH410L

**CH410L** (2)  
**INSTRUMENT METHODS OF ANALYSIS LABORATORY** SP/Even Years  
CH410L is the laboratory portion of CH410 and MUST be taken concurrently. The course consists of six hours of laboratory work per week. Co requisite: CH410.

**CH/BI419** (3)  
**BIOCHEMISTRY** SP/Odd Years  
This course covers the principles of protein chemistry and enzyme nomenclature, catalysis, kinetics, and control. It includes three hours of lecture weekly. The lab, BI/CH419L, MUST be taken concurrently. Prerequisite: CH310a, CH311, CH310b and CH312 or concurrent enrollment, BI157-157L and BI158-158L or equivalent. Co requisite: CH/BI419L

**CH/BI419L** (1)  
**BIOCHEMISTRY LABORATORY** SP/Odd Years  
CH/BI419L is the laboratory portion of CH/BI419 and MUST be taken concurrently. The course consists of one three-hour laboratory per week. Co requisite: CH/BI419

**CH420** (3)  
**NUCLEAR MAGNETIC RESONANCE SPECTROSCOPY** F  
Principles and applications of NMR spectroscopy, utilizing examples from organic, inorganic, and biological chemistry are covered. The course involves three hours of classroom study per week. Prerequisites: CH310a-b, CH312, MA204 and consent of instructor.

**CH430** (3)  
**INORGANIC CHEMISTRY** SP/Even Years  
This course is a study of topics such as bonding models in inorganic chemistry, structure and reactivity of the covalent bond, experimental determination of molecular structure, chemical forces, coordination chemistry from theoretical, structural and reaction mechanistic perspectives, chemical applications of group theory and molecular symmetry. It includes three hours of lecture per week. Prerequisites: CH103-103L, MA204 or consent of program.

**CH450a-b** (4-4)  
**PHYSICAL CHEMISTRY** a-F/Even Years, b-SP/Odd Years  
This is a full-year lecture sequence covering the application of physical principles to chemistry with theoretical, mathematical treatment. Laws of thermodynamics, thermochemical equilibria, ionic equilibria, phase equilibria, chemical kinetics, quantum theory, molecular structure, statistical mechanics, electrochemistry, surface chemistry and photochemistry are studied. It includes four hours lecture weekly. Prerequisites: MA203, MA204 or consent of program.

**CH451** (2)  
**PHYSICAL CHEMISTRY I LABORATORY** SP/Odd Years  
This course covers the mathematical tools normally utilized in experimental physical chemistry and experimental contact with thermodynamics, chemical equilibrium, chemical kinetics, and phase equilibrium. It consists of six hours of laboratory weekly. Prerequisite: Consent of program.

**CH491** (1)  
**SEMINAR** F/SP  
This is a course designed to familiarize the student with research or reviews and surveys of chemical literature. It may be taken more than once for credit with consent of program. Prerequisites: Upper division status and consent of program.

## COMMUNICATION (CO)

**CO106** (3)  
**INTRODUCTION TO MASS COMMUNICATION** F/S  
This course is a survey of the history, theory, and practice of mass media in Guam, the United States, and the world.

**CO200** (3)  
**VOICE AND ARTICULATION** F/SP  
This course is a study of the speech mechanism and how it functions. It emphasizes phonetics and Standard American English pronunciations, as well as changes in the speaking voice. It is especially designed for education majors, non-native speakers of English, and those who desire improvement in their speaking performance.

**CO210** (3)  
**FUNDAMENTALS OF COMMUNICATION** F/SP  
This course introduces students to the broad field of communication process in the intrapersonal, interpersonal, small group, organizational, mass, and public communication contexts. The influence of culture, socio-psychological factors and ethical considerations underlying the communication process are introduced. An emphasis is placed on developing skills in public communication, including speech preparation and active listening. A minimum of three oral presentations is required. Prerequisite: EN110 placement.



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| <b>CO220</b><br><b>LISTENING BEHAVIOR</b><br>This course is the study of the theory and practice of human listening. It is designed to assess individual listening behavior and to apply principles of listening for self-improvement. Prerequisite: CO210 or consent of instructor.   | (3)<br>SP/Even Years | <b>CO327</b><br><b>ADVERTISING IN THE MASS MEDIA</b><br>This course is an in-depth examination of advertising's impact on society and how mass communication advertisements are created. It covers the history, concepts and strategies of advertising, as well as creation and placement of mass media messages. Prerequisite: CO106 or consent of instructor.  | (3)<br>F/Odd Years         |
| <b>CO226</b><br><b>REPORTING AND WRITING THE NEWS</b><br>The theory and practice in gathering and presenting news for the print media is covered in this course. Students work may appear in the Triton's Call. Prerequisite: EN110 placement.   | (3)<br>F             | <b>CO330</b><br><b>SMALL GROUP COMMUNICATION</b><br>This course focuses on the skills involved in the processing of information, making of decisions, leadership, control, and conflict resolution in problem-solving discussions. Prerequisite: CO210.  | (3)<br>F/Odd Years         |
| <b>CO227</b><br><b>WRITING FOR RADIO AND TELEVISION</b><br>This course covers the theory and practice of writing broadcast scripts for commercials, short announcements, public service announcements and longer formats, both fiction and non-fiction, radio and television. Prerequisite: EN110 placement.   | (3)<br>SP/Odd Years  | <b>CO336</b><br><b>BROADCAST JOURNALISM</b><br>This course covers the theory and practice of writing and presenting news for the broadcast media. It includes individual and group projects in writing, reporting and interviewing techniques. Prerequisite: CO236.  | (3)<br>F/Even Years        |
| <b>CO236</b><br><b>BROADCAST PRODUCTION</b><br>This course is an examination of the various elements involved in radio and television production. It includes lab experiences and hands-on group production exercises, both in University facilities and at local media outlets. Prerequisites: EN110 placement.   | (3)<br>SP            | <b>CO340</b><br><b>PERSUASION</b><br>Persuasion covers the use of persuasive techniques in a variety of communication settings, ranging from public speaking situations to consumer contact with the mass media. Prerequisite: CO210.  | (3)<br>F/Even Years        |
| <b>CO240</b><br><b>PHOTO JOURNALISM</b><br>Production, selection and use of photographs in newspaper and magazines are covered in this course. Students must have 35 mm camera. Prerequisite: CO226 or consent of instructor.  | (3)<br>F/Even Years  | <b>CO350</b><br><b>PUBLIC SPEAKING</b><br>Public Speaking covers the theory and study of rhetoric in public settings. The course is designed to assess individual public speaking behaviors and apply principles of rhetoric for improvement in speech preparation and delivery. Prerequisite: CO210 or consent of instructor.   | (3)<br>SP                  |
| <b>CO250</b><br><b>ARGUMENTATION</b><br>This course covers the theory of reasoned discourse, the principles of critical thinking, and the practice of argumentation and advocacy as applied in public discussion and debate of controversial issues.   | (3)<br>F             | <b>CO355</b><br><b>COMMUNICATION FIELD EXPERIENCE</b><br>This course offers advanced practical experience in communication including on-campus activities such as organizing speech forum activities and other UOG extracurricular academic activities, speaker's bureau, as well as off-campus activities in forensic tournament judging, public relations, or other field experiences. Prerequisite: CO210 and completion of or concurrent enrollment in CO250 or CO350. | (3)<br>F/Odd Years         |
| <b>CO310</b><br><b>INTERCULTURAL COMMUNICATION</b><br>This course presents the theory and insights into the practice of communication between persons of variant cultures. It focuses on building intercultural communication competence by gaining an understanding of differences in communication behaviors, expectations and values. Prerequisite: CO210, EN110. | (3)<br>SP            | <b>CO356</b><br><b>EDITING AND LAYOUT DESIGN</b><br>This is an upper division course in editing, page layout, and design of newspaper, newsletters, and other print publications with emphasis on computerized desktop publishing procedures. Semester projects may include work on the campus newspaper, Triton's Call, at the discretion of the instructor. Prerequisite: Consent of Instructor.   | (3)<br>As Resources Permit |
| <b>CO320</b><br><b>INTERPERSONAL COMMUNICATION</b><br>The theory and practice of interpersonal interaction, including personal growth, cooperation, conflict, negotiation and gaming, are covered in this course. Prerequisite: CO210.   | (3)<br>SP/Even Years |  |                            |
| <b>CO326</b><br><b>ADVANCED REPORTING</b><br>This course covers the theory and practice of special news gathering skills; including investigative reporting, feature writing and precision journalism. Prerequisite: CO226.  | (3)<br>SP/Even Years |  |                            |



**CO360 (3)**  
**PUBLIC RELATIONS IN BUSINESS AND PROFESSIONS F/Even Years**  
This is an introductory survey and skill course in basic public relations among various interest groups, i.e., commercial, educational, private and governmental sectors.

**CO370 (3)**  
**ORGANIZATIONAL COMMUNICATION SP/Odd Years**  
This course provides an overview of the various theories and approaches which have been developed to understand human processes in organizations. It focuses on the impact of globalization and emerging communication technology on organizational processes, as well as the influence of organizational structure and hierarchy on communication and other organizational outcomes. Prerequisite: CO210.

**CO385 (3)**  
**PRINT MEDIA EXPERIENCE F/SP**  
This course provides students with practical on-campus journalism experience. Students work on the university newspaper, *Triton's Call*, under faculty supervision, reporting and writing on events relevant to the University community. Prerequisite: CO226 or concurrent enrollment.

**CO386 (3)**  
**MASS MEDIA EXPERIENCE: BROADCASTING As Resources Permit**  
This course provides students with practical experience at local media outlets and the opportunity to apply knowledge gained in their previous courses to a real-world work environment. Prerequisite: Concurrent CO236.

**CO406 (3)**  
**SPECIAL TOPICS IN MASS COMMUNICATION As Required**  
This course provides the opportunity for intensive study of a specific mass communication topic. It may be repeated for credit, with transcript showing the topic studied, e.g. CO406 International Communication, CO406 Editing, Layout and Design, etc.

**CO410 (3)**  
**SPECIAL TOPICS IN COMMUNICATION STUDIES As Required**  
This course provides the opportunity for intensive study of a specific area of communication theory and practice. It may be repeated for credit, with transcript showing the topic studied.

**CO412 (3)**  
**INTERPRETIVE JOURNALISM SP/Odd Years**  
The course focuses on writing news analysis, editorials, columns and critical reviews. Student work is submitted for publication in *Triton's Call* and/or local media. Prerequisite: CO226 Recommended: CO250 and EN319.

**CO426 (3)**  
**DOCUMENTARY PROCESS SP/Even Years**  
This course enables students to learn the processes by which historical, social, cultural events and/or phenomena are prepared for presentation on public media. Emphasis is on research, writing, and production concepts. Prerequisite: CO106 or consent of instructor.

**CO450 (3)**  
**COMMUNICATION THEORY AND RESEARCH F/Odd Years**  
This course is a survey of classical and recent communication theory and research, with emphasis on pertinent speech and mass communication professional literature, resources, and organizations, theory of scientific observation, methodology, and research, and modern Communication theory and research trends. Prerequisites: 6 credits of upper division communication courses.

**CO491 (3)**  
**CURRENT ISSUES IN COMMUNICATION AND SOCIETY SP**  
This seminar examines appropriate communication behavior. The discussions explore the need for ethical guidelines in all venues of communication with particular emphasis on conflict resolution, consensus reaching, and team-building. The seminar offers alternatives to the Western model of "communication as a contest." This course is a capstone for Communication majors in that it integrates key concepts from other courses as well as skills learned through the general education program. Prerequisites: CO210. Senior-level status.

**CO498 (3)**  
**COMMUNICATION INTERNSHIP F**  
This course is designed as a "bridge" experience between the academic and professional worlds for Communication majors in their senior year. It offers students advanced training in professional skills prior to graduation. Each student works a number of hours each week as an intern at a local business or agency, while also meeting with the Instructor for cognitive integration of their learning experiences. Prerequisite: 18 credit hours of Communication courses, senior standing.

**COMPUTER SCIENCE (CS)**

**CS200 (3)**  
**COMPUTER APPLICATIONS AND LAB F/SP**  
The course covers preparation, storage, and processing of data, documents, and illustrations; graphing, manipulating and simple analysis of data; computer- to-computer communications and file transfers; use of UOG network resources; and introduction to computer languages. Prerequisite: MA085 level II or math placement or consent of instructor.

**CS201 (4)**  
**PROGRAMMING I F/SP**  
This course introduces high level computer programming languages with emphasis on program design, coding, debugging, testing, and proper documentation with applications. Prerequisite: CS200, MA161 or higher

**CS202 (4)**  
**PROGRAMMING II F/SP**  
This course introduces computer concepts and problem-solving methods. Topics include algorithms, data types, objects, classes, encapsulation, and exception handling. Emphasis is placed on structured program design. Prerequisites: CS200, CS201; MA161a or higher, or consent of instructor.



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| <b>CS303</b><br><b>DATA STRUCTURES AND ALGORITHM ANALYSIS</b><br>The course covers the following concepts: Basic data structures; graph, search paths and spanning trees; algorithm design and analysis of sorting, merging and searching; memory management, hashing, dynamic storage allocation; integration of data structures into system design. Prerequisite: CS202 and consent of instructor.   | (3)<br>SP            | <b>CS403</b><br><b>DATA COMMUNICATION AND NETWORKING</b><br>The course covers the following concepts: Data communication and network concepts; protocol and standards; distributed computing; local and wide area networks. Prerequisite: CS303.  | (3)<br>SP/Odd Years |
| <b>CS305</b><br><b>ASSEMBLY LANGUAGE AND COMPUTER ORGANIZATION</b><br>This course covers the organization and structure of the major components of a modern computer: combinational circuits, sequential circuits, simulation of circuits, coding, computer organization and architecture, including a detailed study of a micro-computer or minicomputer and the use of Assembly language. Prerequisite: CS202 and CS303.   | (3)<br>F             | <b>CS425</b><br><b>SYSTEMS ANALYSIS &amp; DESIGN (Capstone Course)</b><br>Systems Analysis and Design describes a well-defined process for developing information technology, people, and data resources to support business goals and requirements. Prerequisites: CS303, CS315, CS403, CS360, CS365, CS380 and consent of instructor.   | (3)<br>F/SP         |
| <b>CS315</b><br><b>INTRODUCTION TO DATABASE MANAGEMENT SYSTEMS</b><br>This course covers the following concepts: Definition of file components, access methods and file operations; algorithms for efficient implementation of data structures; characteristics of bulk storage media for mainframe and microcomputer or minicomputer; introduction to database management systems. Prerequisite: CS202 or consent of instructor.  | (3)<br>SP/Even Years | <b>CS431</b><br><b>ADVANCED TOPICS IN COMPUTING</b><br>This course is a study of selected topics in computing and information systems, such as computer graphics, computer modeling, information modeling, software engineering, design and analysis of software. With different subject matter, it may be repeated for credit. Prerequisites: Junior/senior level standing in computer science/computer information systems, CS202 and CS303, or consent of instructor.  | (3)<br>F            |
| <b>CS360</b><br><b>INTRODUCTION TO OPERATING SYSTEMS</b><br>This course covers the following concepts: Operating system history and services; file systems; memory management; process management-concurrent processes, communication, semaphores, monitors, deadlocks; resource management processor and disk scheduling; security and protection systems. It meets for three hours lecture and three hours laboratory weekly. Prerequisite: CS202, CS303 or consent of instructor. | (4)<br>F/Even Years  | <b>CS492</b><br><b>PRACTICUM IN COMPUTER SCIENCE</b><br>The course is a laboratory-oriented course involving any laboratory from microcomputers to mainframe depending on the project director administering the practicum. The mathematics computer lab, the computer center labs, or any other computer lab facility may be utilized as worksites for the course. The course provides practical experience for students majoring in computer science or management information systems. Students assist in the daily operation of the computer lab and/or assist students in a tutoring capacity. Regular observation, counseling, and evaluation are provided by the project director. Individual and/or group conferences are required. A junior or senior level student in computer science may enroll for the course with the approval of the Division of Mathematical Sciences. Students may enroll more than once, but a maximum of 3 semester hours credit may be earned in this course. | (1-3)<br>F/SP       |
| <b>CS365</b><br><b>COMPUTER ARCHITECTURE</b><br>This course is an in-depth analysis of one or more operating systems, system data structure, hardware architecture, interrupt handling. Other topics may include parallel hardware architectures and performance analysis. Prerequisite: CS202 CS303 and CS305, or consent of instructor.  | (3)<br>SP/Odd Years  |   |                     |
| <b>CS380</b><br><b>ORGANIZATION OF PROGRAMMING LANGUAGES</b><br>The course examines general concepts of programming languages; scope and binding rules, applications and implementation of language concepts, including the study of two or more of the languages: ADA, ALGOL, PL/1, MODULA-2, SNOBOL, LISP, C and PASCAL. Prerequisite: CS202 and CS303, or consent of instructor.  | (3)<br>F/Odd Years   |   |                     |

## CONSUMER AND FAMILY SCIENCES (CF)

**CF120 (3)**  
**CLOTHING CONSTRUCTION SP**

This course introduces the basic principles of garment construction applied through the use of commercial patterns. Emphasis is on woven fabrics. Elements of design and its application using the principles of design are covered. Lab is included.

**CF140 (4)**  
**SCIENTIFIC PRINCIPLES OF FOOD PREPARATION F**

This course covers the fundamental processes of food preparation as well as the relationship between scientific principles and cooking procedures. Includes three hours of lecture and three hours of lab weekly. Prerequisite: MA085 and EN085.

**CF230 (3)**  
**NUTRITION AND HEALTH F/SP**

This course introduces basic principles of nutrition, including nutrients, food sources for nutrients, and the essentials of a good diet. Applied nutrition and the study of nutrition problems in health are studied.

**CF231 (3)**  
**HUMAN NUTRITION FOR HEALTH PROFESSIONALS SP**

This course examines the relationship between nutrition and disease. The action of nutrients in the body, methods of nutritional assessment, and nutrient content of different foods are discussed. Emphasis is placed on diets appropriate for individuals who already have a disease.

**CF309 (3)**  
**PREVENTION PROGRAMMING FOR YOUTH AT RISK F/SP**

This course presents an overview of methods for practitioners' use to help prevent problems experienced by youth such as drug and alcohol abuse, teen pregnancy, sexually transmitted disease, suicide and school dropout. The approach to prevention includes the application of principles from human development, sociology, psychology, social work and education. Individual, family, school and community factors are considered to assess current issues for program development in Micronesia and Guam. Prerequisite: PY101 or SO101 or consent of instructor.

**CF315 (3)**  
**INTERIOR DESIGN SP**

This course examines the influences of historic designs in housing and furnishing upon today's culture, customs, and styles. Today's home and its furnishings from the standpoint of comfort, beauty, convenience, economy, and cultural influences are examined.

**CF325 (3)**  
**TEXTILES F**

This course studies fiber, yarn, fabric structures, and finishes as these relate to personal, household, and industrial uses. The properties of natural and man-made textiles, the process of yarn construction and textile manufacture, and consumer information

are covered. Three hours of lecture and three hours of laboratory are held weekly.

**CF325L (1)**  
**TEXTILES LABORATORY F**

CF325L is the laboratory portion of CF325 and should be taken concurrently.

**CF339 (3)**  
**COMMUNITY NUTRITION Spring/Odd Years**

This course integrates concepts of education and nutrition. It is designed for the student who wants a broad-based understanding of the strategies that can be used to educate groups or individuals about concepts of nutrition. Prerequisites: CF230, or CF231 and CF430 or consent of instructor. ED300 recommended but not required.

**CF342 (3)**  
**FOOD SAFETY AND SANITATION SP/Odd Years**

The factors underlying food borne illness are studied. Causative agents and the reasons for their presence and multiplication in food are identified. Food safety and sanitation practices are fully examined. Prerequisites: BI157-157L and BI158-158L, or BI124-124L and BI125-125L or consent of instructor. BI225 is recommended.

**CF351 (3)**  
**CONSUMER ECONOMICS FAMILY FINANCIAL MANAGEMENT F/Odd Years**

Information is presented to understand the role family financial management in western society. Selected consumer issues and problems are examined so that individual and family well-being is enhanced. Prerequisite: BA110 or consent of instructor.

**CF/AG389 (3)**  
**EXTENSION PROGRAMS AND PLANNING F/Even Years**

This course reviews development and educational philosophy of the Cooperative Extension Service in U.S., Guam, and the Pacific Basin. Extension educational programs, planning and development methods, teaching tools, and related topics are explored. Prerequisite: SO101 or PY101, and EN111 or consent of instructor.

**CF392 (1-3)**  
**LABORATORY TEACHING ASSISTANTSHIP F/SP**

This course provides practical educational experience in undergraduate Consumer and Family Sciences courses. Prerequisites: Completion of the course or of an equivalent course, junior standing and consent of instructor.

**CF/ED402 (4)**  
**PRESCHOOL CHILD LABORATORY F**

This course studies the behavior of the young child (individually and in a group situation) as related to current knowledge of child development. The focus is on the preschool child in relation to a variety of environmental influences such as adults, peer group, play materials, etc. Directed observation/participation with children is required utilizing the Child Study Center of the University and other appropriate settings. Three hours of lecture and three hours of laboratory are held weekly. Prerequisites: ED201, or ED251 or consent of instructor.

**CF430** (3)  
**NUTRITION THROUGHOUT THE LIFESPAN** F/Even Years  
The nutritional requirements and food needs of three different life span stages are examined. The stages include: (1) pregnancy and infancy, (2) early childhood and adolescence, and (3) adulthood and aging. Emphasis is placed on the special demands the various lifecycle stages impose on normal nutrition. Prerequisite: CF230 or CF231 or, consent of instructor.

**CF435** (3)  
**SPORTS NUTRITION** F/Odd Years  
This course focuses on nutrition for active people engaged in exercise for sport performance, recreation, or health and fitness. Nutritional needs for strength and endurance training, low body weight, team sports, vegetarian, children, adolescents, and adult athletes will be discussed. Prerequisite BI157-157L and BI158-158L, or BI124-124L, and BI125-125L, with grade of C or better; and CF230 or CF231.

**CF445** (4)  
**FOOD CHEMISTRY** SP/Even Years  
This course covers the chemical properties of food constituents discussed in relation to their effect on processing, nutrition, stability, and spoilage. Three hours of lecture and 3 hours of laboratory are held weekly. Prerequisite: BI157/157L and BI158//158L or CH102/102L and CH103/103L.

**CF450** (3)  
**FAMILY RESOURCES** SP/Odd Years  
This course addresses issues, problems and resources related to work and family roles, relationships and interactions. The interface of dual career/earner families, maternal employment and work-related transitions are presented. Prerequisites: EC212, and PY101 or SO101, or consent of instructor.

**CF460** (4)  
**ADVANCED HUMAN NUTRITION** SP/Even Years  
This course covers the metabolism and macro- and micronutrients, including structure, digestion, absorption, transport, and cellular functions in human nutrition; energy metabolism and balance; and physiologic basis underlying dietary recommendations for human health. Prerequisites: BI157-157L and BI158-158L, or BI124/124L and BI125-125L with grade of C or better; CH101; and CF230 or CF231.

**CF491** (3)  
**ISSUES IN CONSUMER AND FAMILY SCIENCES** SP  
This course assists students in synthesizing information from previous Consumer and Family Sciences courses. Each student selects, analyzes and presents an issue from her/his area of emphasis: food and nutrition; or family resources. Prerequisite: senior level and consent of instructor.

**CF498** (3-6)  
**INTERNSHIP IN CONSUMER AND FAMILY SCIENCES** SP  
This course is designed to give the student field experience with a cooperating employer. The student may choose from one of the three Consumer and Family Sciences areas of emphasis: food and nutrition; or family resources. Prerequisite: senior level and consent of instructor. It is recommended that CF491 be taken

concurrently in the same Consumer and Family Sciences area of emphasis.

**CF499** (3)  
**DIRECTED READINGS IN CLOTHING AND TEXTILES** SP  
This course examines both the non-industrial and industrial development of textiles and clothing over time. Changes in technology as a result of the invention and perfection of both manufacturing processes and equipment are emphasized. Prerequisites: Senior standing and consent of instructor.

## EDUCATION (ED)

*NOTE: Education courses are offered on a regular basis as indicated following each course title. Students are responsible for planning their programs with their advisors so that they meet the prerequisites of advanced courses.*

**ED110** (3)  
**INTRODUCTION TO TEACHING** F/SP  
This course assists the perspective teacher in evaluating personal qualifications in the light of criteria for successful classroom teaching and helps the student make a well informed decision for or against a career in teaching. It is open only to students with less than 60 hours earned college credit. Concurrent enrollment in ED192 is recommended.

**ED192** (1)  
**PRACTICUM: OBSERVATION AND PARTICIPATION** F/SP  
This course provides prospective teachers with the opportunity to work with children and/or youth by a gradual induction into the classroom prior to taking professional education courses. It familiarizes students with the responsibilities of a teacher, materials and the general operation of the school. Students spend three hours per week in classrooms as an observer under a cooperating teacher. Students also participate in a weekly seminar. Concurrent enrollment in ED110 is recommended. (Grading System: P-NC)

**ED201** (3)  
**HUMAN GROWTH AND DEVELOPMENT** F/SP  
This course covers human growth and development with special emphasis on the formative and school years of the child. Through observation of children in the school and elsewhere, patterns of development and the impact of school on the child are studied. Prerequisite: PY101.

**ED215** (3)  
**INTRODUCTION TO EXCEPTIONAL INDIVIDUALS** F/SP  
This is an introductory course that investigates exceptionalities, including gifted as well as disabling conditions. This course will focus on types of exceptionalities, etiological factors, dynamics, incidence, and the psychological implications of the various exceptionalities on the individuals, the family, including those with culturally and linguistically diverse backgrounds, and the social environment. Special Education majors must complete

ED215 and ED292 prior to taking higher-level Special Education courses.

**ED251** (3)

**DEVELOPMENT IN EARLY CHILDHOOD F/SP**

This course is based on theories of the developing child. Students will gain knowledge from research on how young children learn and grow, and what they can do--physically, socially, emotionally, and cognitively at each stage of development. Observation and participation.

**ED265** (3)

**CULTURE AND EDUCATION IN GUAM F/SP**

This is a study of Guam's cultural development focusing on periods of intense cultural conflict and interchange. It focuses on the island and the concomitant implications for educators. Differing educational approaches to the cultural environment, both past and present, are explored. It meets the Guam teacher certification requirement in culture or history.

**ED271** (3)

**TECHNOLOGY APPLICATIONS FOR EDUCATORS F/SP**

This teaching methods course emphasizes the psychological and theoretical basis for using instructional media and technology in education. Students produce various instructional media and demonstrate the use of the newer technologies such as telecommunications, assistive technology, computers, and multimedia as educational tools.

**ED280** (3)

**INTRODUCTION TO BILINGUALISM/BICULTURALISM F**

This course examines bilingualism/biculturalism and includes the sociological, psychological, linguistic, cultural, and educational aspects.

**ED292** (3)

**PRACTICUM IN SPECIAL EDUCATION F/SP**

This practicum course deals with observations of various agencies serving exceptional individuals. Students are required to put in two (2) hours of observation a week and one hour seminar. Prerequisite: ED215, or concurrent enrollment or consent of instructor. Special Education majors must take this course prior to taking higher-level special education courses. Grading System: A-F

**ED300** (3)

**EDUCATIONAL PSYCHOLOGY F/SP**

This course offers an analysis of the complex factors involved in learning, individual differences, motivation for learning, individual differences in learning, leadership, and socio-cultural factors as they affect the education of children and youth. Prerequisite: PY101, ED201.

**ED310** (3)

**REMEDICATION OF INDIVIDUALS WITH LEARNING DISABILITIES/ BEHAVIOR DISORDERS F**

This is a methods course, which will provide an in-depth study of children and adolescents with specific learning disabilities. The course will focus on the identification, assessment,

placement and delivery of services across all grade levels. It will include the adaptation of content, methodology and delivery of instruction to students with learning disabilities, including those with culturally and linguistically diverse backgrounds and social environment. Prerequisite: ED215 or consent of instructor.

**ED311** (3)

**CURRICULUM FOR CHILDREN AND YOUTH WITH DISABILITIES SP**

This is curriculum course for working with students with disabilities. In this course the major focus is the discussion of the role practiced by special education personnel and other school based support individuals on the relevant curriculum needs for individuals with developmental disabilities. This includes the logical and systematic decision-making process for both short and long term planning, which involves the student, parent and teachers in setting curriculum content priorities in the planning process. Prerequisites: ED215 and ED292, or consent of instructor.

**ED312** (3)

**GUIDANCE FOR EXCEPTIONAL INDIVIDUALS AND FAMILY F**

This course considers the counseling role of the professional in providing support to exceptional children with disabilities and their families. The improvement of mental health and adjustment of exceptional pupils being served is a major topic. This course includes some basic skills useful for counselors. Understanding of the stages of parental reaction to having a child with a disability, family dynamics, and special considerations one must take into account prior to working with a family (i.e. student age, family culturally competent strategies are learned, specifically in the areas of developing a counseling plan, developing trust, building relationships, and family needs assessment. Prerequisites: ED215 or consent of instructor.

**ED314** (3)

**ASSESSMENT OF SKILLS FOR CHILDREN AND YOUTH WITH SPECIAL NEEDS F**

This is an assessment course for determining the present levels of educational performance of student with or without disabilities. The course addresses pre-placement assessments, determination of eligibility for special education programs, assessing daily progress in meeting learning goals and objectives and reevaluation strategies of students with disabilities. It will also address the understanding of psychoeducational reports and determining the instructional implication of such reports. School-wide assessments for both groups and individuals assessment, as will performance-based or authentic assessments will be reviewed. Prerequisite: ED215 or consent of instructor.

**ED315** (3)

**METHODS OF TEACHING CHILDREN AND YOUTH WITH SPECIAL NEEDS SP**

This is a method course, which will provide an in-depth educational study of children and adolescents with moderate to severe disabilities including mental retardation, autism, cerebral palsy, etc. The course will focus on the identification, assessment, placement and delivery of services across all grades

levels in various educational settings. It will include the adaptation of content, methodology and delivery of instruction to all students, including those with culturally linguistically diverse backgrounds and social environment, with moderate to severe disabilities. Prerequisite: ED215 or consent of instructor.

**ED/LS319 (3)**  
**CHILDREN'S LITERATURE SP**

This course emphasizes the reading and examination of all types of printed and audio-visual materials, a study of the history and development of children's literature, its value to the communication process, and the criteria for selection and utilization of books and closely related materials suited to the needs and tastes of elementary school children including exceptional children.

**ED321 (3)**  
**LANGUAGE ARTS METHODS: SECONDARY F/SP**

This course covers objectives, methods, materials and philosophy for instruction in the secondary school program. It is designed for majors and minors in English Education. Special attention is given to teaching in bilingual situations. Classroom observation is required. Prerequisites: ED110, ED192, ED300 and upper division standing (or consent of instructor) and 12 credit hours in EN, CO, LN.

**ED322 (3)**  
**SOCIAL SCIENCES METHODS: SECONDARY F/SP**

This course covers objectives, methods, materials and philosophy for teaching the social studies at the secondary school level, for majors and minors in social sciences. Observation in secondary social science classes is required. Prerequisites: 12 credit hours in social sciences, ED110, ED192, ED300 and upper division standing (or consent of instructor).

**ED323 (3)**  
**MATHEMATICS METHODS: SECONDARY F/SP**

This course covers objectives, methods, materials and philosophy of teaching mathematics in the secondary school, for mathematics majors and minors. Observation in secondary mathematics classes is required. Prerequisites: 12 credit hours in mathematics, ED110, ED192, ED300 and upper division standing (or consent of instructor).

**ED324 (3)**  
**SCIENCE METHODS: SECONDARY F/SP**

Science majors and minors are directed to objectives, methods, materials and philosophy of teaching science in the secondary schools. Observation in secondary science classes is required. Prerequisites: 12 credit hours in science, ED110, ED192, ED300 and upper division standing (or consent of instructor).

**ED325 (3)**  
**BUSINESS SUBJECTS METHODS: SECONDARY F/SP**

This course covers methods and materials for the improvement of instruction in both skills and non-skill subjects in business. Observation in secondary school business classes is required. Prerequisites: ED110, ED192, ED300 and upper division standing (or consent of instructor) and 18 credits in Business.

**ED326 (3)**  
**ART METHODS: SECONDARY F/SP**

This course covers the teaching of art in the secondary school, including discussions and demonstrations in two-and three-dimensional work along with studio practice. It is a study of contemporary philosophies in art education is included along with problems of classroom management and teaching methods. Observation of art classes in secondary schools is required. Prerequisites: ED110, ED192, ED300, upper division standing (or consent of instructor) and 12 credit hours of art.

**ED327 (3)**  
**HOME ECONOMICS METHODS: SECONDARY F/SP**

This course presents methods and materials for teaching home economics in junior and senior high schools. Special emphasis is given to the development of practical tests and the creating of instructional aids. Observations and participation in Home Economics classes in secondary schools are required. Prerequisites: ED110, ED192, ED300 and upper division standing (or consent of instructor) and 18 semester credits in Consumer and Family Sciences.

**ED328 (3)**  
**VOCATIONAL/TECHNICAL METHODS I F**

This course aids the prospective teacher in developing and implementing vocational/technical curriculum and teaching methods in the classroom with emphasis on research finding. Observation in vocational/technical classes is required. Prerequisites: ED110, ED192, ED300 and upper division standing.

**ED329 (3)**  
**VOCATIONAL/TECHNICAL METHODS II SP**

This course is an extension of ED328 and provides students an opportunity to strengthen their skills in Vocational/Technical Curriculum Development and instructional techniques. Students also prepare and utilize instructional material that support individualized learning. Prerequisite: ED328.

**ED330 (3)**  
**LANGUAGE ARTS IN EARLY CHILDHOOD F**

This course covers methods and materials appropriate to teach language arts to young children including the development of oral and written language. Practicum is required. Prerequisite: ED251.

**ED331 (3)**  
**TEACHING THE YOUNG CHILD SP**

This course covers school experiences appropriate for young children, which provide the foundation for continued learning throughout school and later life. Observation and Practicum is required. Prerequisite: ED251.



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| <b>ED332</b><br><b>CURRICULUM FOR YOUNG CHILDREN</b>   | (3)<br>SP   | level courses in Art Theater Music & ED350 or concurrent enrollment.  |
| This course covers instructional methods and materials appropriate to teaching young children with emphasis on science, social studies, mathematics, health and physical education. Practicum is required. Prerequisite: ED251.  |             |   |
| <b>ED333</b><br><b>CREATIVE ARTS IN EARLY CHILDHOOD</b>  | (3)<br>F    | <b>ED353</b><br><b>SOCIAL STUDIES METHODS: ELEMENTARY</b>   |
| Methods of directing children's experience in the fine arts and encouraging creativity are presented. Practicum is required. Prerequisite: ED251.  |             | (3)<br>F/SP<br>This course covers objectives, methods, materials and philosophy of the elementary social studies program. Practicum is required. Prerequisites: Any 100 or 200 level PS, GE, HI, AN, SO, BA/EC or LN course and ED350 or concurrent enrollment.   |
| <b>ED334</b><br><b>SOLVING DISCIPLINE PROBLEMS: STRATEGIES FOR CLASSROOM TEACHERS</b>  | (3)<br>F/SP | <b>ED354</b><br><b>SCIENCE METHODS: ELEMENTARY</b>  |
| Teachers who work with young children need the most effective ways to address problems. In this course students will learn different problem solving techniques that help children learn to accept responsibility and communicate with each other.   |             | (3)<br>F/SP<br>This course strives to develop an attitude of research and inquiry among students who are in teacher preparation as well as demonstrating methods to accomplish a similar goal with children. Prerequisites: Any 100 or 200 level BI, CH, NS or PH courses and ED350.  |
| <b>ED336</b><br><b>BUILDING HOME AND SCHOOL RELATIONSHIPS IN EARLY CHILDHOOD EDUCATION</b>   | (3)<br>F    | <b>ED355</b><br><b>LANGUAGE ARTS METHODS: ELEMENTARY</b>  |
| This course will focus on the importance of parental involvement and how to build relationships that will ensure success in the classroom. Students will discuss the awareness, knowledge, and skills needed to work productively with children and their parents. Prerequisites: ED331.   |             | (3)<br>F/SP<br>This course stresses an understanding of the phases of language arts development and the selection and use of educational approaches to enhance this development. Practicum is required. Both ED355 and ED357 to be taken concurrently. Prerequisites: EN111 and ED350 or concurrent enrollment. Co requisite: ED357   |
| <b>ED343</b><br><b>TRANSITION IN SPECIAL EDUCATION</b>   | (3)<br>SP   | <b>ED356</b><br><b>MATHEMATICS METHODS: ELEMENTARY</b>  |
| This course provides knowledge and skills necessary for implementing relevant career education, vocational, family living and transition programs critical to the individuals with disabilities becoming contributing members to society. Career awareness programs in the elementary, middle, and senior high schools are examined. This course is required for all Special Education majors. Prerequisite: ED215 or consent of instructor. |             | (3)<br>F/SP<br>This course covers objectives, methods and materials for teaching mathematics in the elementary schools. Experience in planning and teaching mathematics lessons on several levels within the elementary level is required. Practicum is required. Prerequisites: MA110 and ED350 or concurrent enrollment.  |
| <b>ED350</b><br><b>EFFECTIVE TEACHING STRATEGIES FOR THE ELEMENTARY MULTICULTURAL CLASSROOM</b>  | (3)<br>F/SP | <b>ED357</b><br><b>READING METHODS: ELEMENTARY</b>  |
| This is a study of techniques of classroom management, learning objectives, writing lesson and unit plans, and matching teaching strategies with learning styles. Practicum is required. Prerequisites: ED110, 192 or equivalent, ED201, 300 or consent of instructor.   |             | (3)<br>F/SP<br>This course examines modern theory and practice in the various areas of reading instruction. Emphasis is placed on a basic developmental reading program in the classroom; organization and administration; adjustment to meet individual differences; reading readiness; basic reading skills; word analysis (structural and phonetic); reading in the content subjects; and recreational reading. Classroom observation and participation are required. Practicum is required. Both ED355 and ED357 to be taken concurrently. Prerequisites: EN111 and ED350 or concurrent enrollment. Co requisite: ED355 |
| <b>ED351</b><br><b>FINE ARTS METHODS: ELEMENTARY</b>   | (3)<br>F/SP | <b>ED363</b><br><b>P.E. AND HEALTH METHODS: ELEMENTARY</b>  |
| This course gives students a working knowledge of the fundamentals of teaching music, arts, and drama. The abilities to keenly observe and perceive in order to create personal expressions that can serve as mortar for all learning are encouraged. Practicum is required. Prerequisites: Any 100-200  |             | (3)<br>F<br>This course is designed to prepare elementary classroom teachers to teach Health and Physical Education in the elementary schools. Health and Physical Education concepts and skills that are contained in the professional association standards as well as the standards of teaching from the GPSS Teacher Standards and the conceptual framework adopted by the  |

UOG school of Education are integral components. Practicum will be required. Pre-requisite: CF230 or HS200 and ED350.

**ED384** (3)  
**STUDENT ACADEMIC COUNSELOR TRAINING** F/SP  
This course covers the theory and practice of peer counseling with emphasis on study skill development and cross-cultural communication. Students gain experience as instructor aids in ID180. Prerequisites: EN111. Sophomore standing. Approval of Counseling Services Committee required.

**ED385a-b** (3-3)  
**STRUCTURE OF THE LANGUAGE** a-F, b - SP  
This is the study of the structure of a target language which provides valuable information for second language teachers and teachers in bilingual/bicultural programs. The course may be repeated for credit when different target languages are studied. Prerequisite: Professionally assessed language competency.

**ED385-c** (3)  
**STRUCTURE OF THE LANGUAGE: CHAMORU ORTHOGRAPHY** SU/As Required  
This is the study of the structure of the language which provides valuable information for second language and bilingual teachers. This course may be repeated for credits when different targeted languages are studied. Prerequisite: ED385a-b.

**ED392** (3)  
**METHODS PRACTICUM** F/SP  
This course provides a field experience with the first upper division in the Elementary education Program. Prerequisites: ED350; Effective Teaching in the Elementary Multicultural Classroom; consent of instructor.

**ED/CF402** (4)  
**PRESCHOOL CHILD LABORATORY** F  
This course studies the behavior of the young child (individually and in a group situation) as related to current knowledge of child development. The focus is on the preschool child in relation to a variety of environmental influences such as adults, peer group, play materials, etc. Directed observation/ participation with children is required utilizing the Child Study Center of the University and other appropriate settings. Three hours of lecture and three hours of laboratory are held weekly. Prerequisites: ED201, or ED251 or consent of instructor.

**ED403** (3)  
**FOUNDATIONS OF EDUCATION** SP  
Through a study of philosophy and principles which underlie American's schools, the forces which influence education (economic, historical, social and psychological) are examined. Open only to students with 60 hours or more earned college credits. Meets the requirement for ED110. Prerequisite: Upper division standing.

**ED404** (3)  
**FOUNDATIONS OF VOCATIONAL/ TECHNICAL EDUCATION** F  
This is an overview of the evolution and current developments in various forms of Vocational-Technical Education. It includes an introduction to differing philosophical perspectives, as well as an exploration and analysis of the technological, cultural, political,

economic and legislative factors that affect current and future forms of Vocational and Technical Education.

**ED405** (3)  
**ORGANIZATION AND MANAGEMENT OF VOCATIONAL/TECHNICAL EDUCATION LABORATORIES** SP  
This course assists students in the development of knowledge and skills necessary to organize and manage the Vocational/Technical Education Laboratories.

**ED406** (3)  
**EVALUATION AND THE IMPROVEMENT OF VOCATIONAL/TECHNICAL EDUCATION PROGRAMS** SP  
Vocational teachers develop skills and acquire knowledge for the evaluation and reporting of vocational students' performance, determining student grades, evaluating instructional program effectiveness, and evaluating vocational programs. Prerequisite: ED404 or consent of instructor.

**ED411** (3)  
**CONTEMPORARY ISSUES IN COUNSELOR EDUCATION** SP  
This is an approach to human endeavor as a matter of interpersonal relations with basic information concerning personality development, mental mechanisms and pathological personality types. It is aimed at the WHY of human behavior and intended for teachers. Prerequisite: Upper division standing or consent of instructor.

**ED442** (3)  
**SPECIAL EDUCATION LAW** SP  
This course develops the knowledge and skills necessary for pre-service, in-service and related personnel in the development and implementation of Individualized Education Plans (IEPs) for children and youth with disabilities, including those with culturally linguistically diverse backgrounds and social environment, who are eligible for Special Education services. The development of both long term and short term goals and objectives within the guidelines of current Special Education legislation is a major focus of the course. Prerequisites: ED215 or consent of instructor.

**ED443/G** (3)  
**ASSISTIVE TECHNOLOGY IN SPECIAL EDUCATION** F  
This course is designed for special education and regular education teachers who expect to teach students with disabilities. Students learn to select, adapt, create, and use materials and assistive technology for students with disabilities. Prerequisite: ED215 or consent of instructor.

**ED444** (3)  
**SOCIOCULTURAL ASPECTS OF EDUCATION** SP  
This is a survey of sociological and psychological factors related to education of children outside the cultural and economic mainstream of American society, and includes a review of local resources and facilities to assist these pupils. Prerequisites: SO101, PY101 or consent of instructor.



|   |                 |   |                        |
|---|-----------------|---|------------------------|
| <b>ED446/G</b><br><b>INCLUDING CHILDREN WITH<br/>DISABILITIES IN THE<br/>REGULAR CLASSROOM</b>  | (3)<br><br>F/SP | <b>ED462</b><br><b>CONTENT AREA LITERACY</b>  | (3)<br><br>As Required |
| <p>This course is designed for special and general education teachers at both elementary and secondary level. It covers basic knowledge and skills necessary for teaching students with disabilities in order to be involved in and progress within the least restrictive environment. Emphasis is placed on the placement of students primarily within the general education setting unless it is determined that placement in this setting with supplementary aids and services has proven to be unsatisfactory. Special emphasis is also given to multicultural populations and settings, including those with culturally and linguistically diverse backgrounds, and the social environment. Prerequisites: Admission to SOE.</p> |                 | <p>This course is designed to meet those specific needs for instruction of reading in the middle and secondary school environment. Reading in the content area is emphasized and such concepts as readability levels, study skills and vocabulary development are covered utilizing the competency based approach. Current strategies concerning remedial readers, motivation of the reluctant reader, material development and comprehension skills are related to this instructional level.</p> |                        |
| <b>ED449</b><br><b>DIRECT INSTRUCTION<br/>TEACHING STRATEGY</b>   | (4)<br><br>F    | <b>ED473</b><br><b>DEVELOPING COGNITIVE<br/>ABILITIES</b>   | (3)<br><br>F/SP        |
| <p>This competency-based course deals with the development of skills necessary for effectively teaching direct instruction programs dealing with basic skills of reading, spelling, language, or arithmetic. The specific conceptual content will vary depending on the specific levels of the program(s) taught. Prerequisites: ED300 consent of instructor.</p>   |                 | <p>This course examines how to help pupils develop skills necessary to independent learning; strategies designed to help pupils make inferences and predications. Three processes essential to developing independent learners are emphasized: concept diagnosis, interpretation of data and application of knowledge.</p>  |                        |
| <b>ED/LS451</b><br><b>AUDIO VISUAL EDUCATION</b>  | (3)<br><br>F/SP | <b>ED476</b><br><b>EFFECTIVE MIDDLE SCHOOLS</b>   | (3)<br><br>F           |
| <p>This is a laboratory course in which instructional design and the selection, production, and utilization of media resources are studied. A survey of perception, communication and learning theories, as well as selected research studies applicable to the design of instructional systems are included. Prerequisites: ED300 or consent of instructor.</p>  |                 | <p>This course examines the middle school concept and movement; the rationale for designing educational programs for the middle grades (6-8). The course explores the implications of teacher learner, instructional leader and learning environment data for curriculum and instruction. It focuses on dealing with the complex problems facing the middle school teachers.</p>  |                        |
| <b>ED/LS452</b> (3)<br><b>COMPUTERS IN EDUCATION</b>  | (3)<br><br>F    | <b>ED480</b><br><b>SECOND LANGUAGE CURRICULUM<br/>AND MATERIALS DEVELOPMENT</b>   | (3)<br><br>F           |
| <p>The course is designed to teach preservice and inservice teachers about micro-computers in education. It provides practical experience with computers, and aids students in learning the various types of software (applications, utilities, CAI/CMI) and their school and classroom uses. LOGO is taught. Issues involved in computer use in education are studied. No previous computer experience is necessary.</p>   |                 | <p>The course surveys curriculum selection and evaluation and analyzes various methods of curriculum modification. It focuses on the selection of existing second language materials, adaptation of materials, and development of original materials for use in a second language or bilingual/bicultural classroom. Prerequisites: ED480</p>   |                        |
| <b>ED457/G</b><br><b>BEHAVIOR MANAGEMENT IN<br/>SPECIAL EDUCATION</b>   | (3)<br><br>SP   | <b>ED481</b><br><b>SECOND LANGUAGE<br/>TEACHING METHODOLOGY</b>   | (3)<br><br>SP          |
| <p>This course focuses on managing student behavior (with or without disabilities) to improve classroom instruction and increase learning. This course is designed to help teachers to increase on-task behavior on academic tasks and decrease problem behaviors. The primary focus is on prevention and intervention for inappropriate behavior that interferes with teaching and learning. Emphasis is given to procedures for administration and management of the learning situation in the classroom in order to provide a positive learning environment. This course will also address issues related to discipline as specified in the Individuals with Disabilities Act (IDEA). Prerequisite: ED215.</p>                     |                 | <p>This is an introduction to the large and growing field of second language pedagogy. The primary purpose of the course is to provide current and prospective second language teachers with knowledge of the theoretical bases and research which are related to second language learning. The secondary purpose is to consider the practical application of the theories and research within the second language classroom.</p>   |                        |
|   |                 | <b>ED482</b><br><b>WORKING WITH SECOND<br/>LANGUAGE LEARNERS</b>  | (3)<br><br>F           |
|   |                 | <p>This course deals with understanding the plight of the limited English proficient student in the mainstream classroom, and techniques and strategies for effectively teaching these students. A practicum is included.</p>   |                        |

**ED483 (3)**  
**INTRODUCTION TO EARLY CHILDHOOD SPECIAL EDUCATION F**

This course provides an overview of the rationale, policies, and procedures for Early Childhood Special Education Services. The etiology of disabilities and a description of children with handicaps are presented. Implications for educational intervention and service delivery for children from birth to 5 years are discussed. The course is designed to introduce students to the field of Early Childhood Special Education.

**ED486/G (3)**  
**BEST (BUILDING EFFECTIVE STRATEGIES FOR TEACHING) SP/SU/As Required**

This course brings together novice and experienced teacher to work collaboratively on strategies to solve classroom problems via the action research methodology. The course will equip beginning teachers with pedagogical and professional skills; and experienced teachers with research skills, particularly those that are needed to carry out collaborative action research. Prerequisite: current enrollment in or completion of ED392, or consent of advisor.

**ED488/G (3)**  
**SCHOOL LAW FOR TEACHERS F**

This course is design as an introductory class in legal basics for the prospective or recently assigned teacher in the public school system. The class will provide guidance in the everyday decision making that will help make the teacher actions more defensible in this modern era of litigation in the school scene.

**ED489 (3)**  
**EVALUATION F/SP**

This course covers the fundamental principles of classroom assessment and evaluation, with an emphasis on the importance of the teacher's professional judgment and decision making. Prerequisites: ED110, ED300, MA151.

**ED492 (12)**  
**PRACTICUM IN STUDENT TEACHING F/SP**

Note: Prior to Student Teaching/Internship all teacher candidates must take the following Praxis tests and pass with a score as set by the Guam Commission for Educator's Certification (GCEC):

- Praxis II Content Knowledge/Subject Assessment and
- Praxis II Principles of Learning and Teaching: K-6, or
- Praxis II Principles of Learning and Teaching: 7-12

General description for all ED492: The student is assigned to a cooperating teacher in an appropriate classroom. Regular observation, counseling and evaluation are provided by the School of Education faculty. Individual counseling and group seminars are required. (Grading System: Letter Grade System).

General Prerequisites: Overall GPA of at least a 2.7 GPA in the teaching area; completion of all education courses. Senior standing and no general education courses can be taken concurrently without special permission from their program chairperson and field experience coordinator; application must be completed by announced deadline.

Special Prerequisites: Secondary - Completion of all professional and related area course requirements. Student is also required to be present at the assigned school the entire school day and is encouraged to follow the Department of Education calendar.

Special Education: Students must complete student teaching experiences in both elementary and secondary special education settings (split semester).

Elementary, Early Childhood, Special Education and Secondary: Completion of all professional and related area course requirements. Students are advised to follow the Guam Public School System calendar.

**ED498 (12)**  
**INTERNSHIP IN TEACHING As Required**

Note: Prior to Student Teaching/Internship all teacher candidates must take the following Praxis tests and pass with a score as set by the Guam Commission for Educator's Certification (GCEC):

- Praxis II Content Knowledge/Subject Assessment and
- Praxis II Principles of Learning and Teaching: K-6, or
- Praxis II Principles of Learning and Teaching: 7-12

This course provides teaching experience under intensive supervision in private or public schools. The student is assigned a cooperating teacher in the school who acts as a mentor teacher. Regular observation, counseling and evaluation are provided by the SOE. Internship requests from currently employed students or from applicants with unusual circumstances may be made in the form of a written letter of request to the Office of the Field Experience Coordinator. Individuals and or group conference is required. (Grading System: A-P-NC) letter grades. General Prerequisites: Current employment in a full-time teaching position and consent of the employer. Overall GPA of at least a 2.70 GPA for Degree students-- completion of all professional and related area requirements, for Certification students-- completion of all certification requirement; senior standing. Application completed by announced deadlines. ED498 must be completed to meet the degree requirements for student teaching.

**ENGINEERING SCIENCE (ES)**

**ES100 (1)**  
**ENGINEERING ORIENTATION F**

This course is designed to give freshmen students an insight into the nature of technology and the engineer's role in society. Members of the faculty and guest speakers present lectures dealing with the various engineering disciplines and related areas.

**ES101 (3)**  
**ENGINEERING GRAPHICS SP**

Concepts and methods of communications by graphical means; freehand and instrument drawing, orthogonal projections, and descriptive geometry are covered in this course.



2013-2014

**ES201** (3)  
**ENGINEERING STATICS** F  
This course covers vector algebra and elementary vector calculus; statics of particles and rigid bodies; statics of structures; frictional effects; centers of gravity, centroids, and moments of inertia. Prerequisites: PH251, MA203, EN111.

**ES202** (3)  
**ENGINEERING DYNAMICS** SP  
This course covers kinematics and kinetics of translation, rotation, and plane motion; work, energy, and power; impulse, momentum, and impact; kinetics of variable mass; introduction to vibration. Prerequisites: PH251, ES201, EN111. Co requisite: MA301.

**ES203** (3)  
**MECHANICS OF MATERIALS** SP  
This course emphasizes the fundamental concepts and application of strength of materials while developing students' and analytical problem solving skills. The course covers the response of structures due to axial load, bending, shear and torsion; concept of stress and strain and beam and column deflection. Prerequisites: ES201.

## ENGLISH (EN)

**EN085** (3 NDUS)  
**FUNDAMENTALS OF ENGLISH** F/SP  
EN085 is an integrated course intended to enhance the overall English competence of the students enrolled. Presenting a blend of reading, writing, speaking, and listening tasks, the class includes three hours per week of classroom instruction. Students are initially placed in EN085, as a result of their performance on the University's Placement Exam. End-of-term grades are A, P, NC, or F. A grade of A or P is required to pass out of the course. Co requisite: EN085L. A nonpassing grade in either EN085 or EN085L will require the student to retake both courses.

**EN085L** (1)  
**FUNDAMENTALS OF ENGLISH LAB** F/SP  
The lab involves two hours of classroom instruction and a minimum of 2 hours independent study in the Developmental English Learning Lab each week. End-of-term grades are A,P,NC or F. A grade of A or P is required to pass out of the course. Co requisite: EN085. A nonpassing grade in either EN085 or EN085L will require the student to retake both courses.

**EN100** (3)  
**FUNDAMENTALS OF COLLEGE ENGLISH** F/SP/DE  
EN 100 is an integrated reading and writing course that prepares students for further English courses and further study at the University. Students are placed in the course as a result of their performance on the University's Placement Exam or their final evaluation in an EN085 Fundamentals of English course. EN100 must be completed with a grade of "C" or better before taking EN110. Grades are A,B,C,D,F,I, or NC.

**EN110** (3)  
**FRESHMAN COMPOSITION** F/SP/SU/DE  
This is a basic college composition course. Emphasis is on constructing grammatical sentences in standard written English, on developing unified paragraphs employing appropriate principles of organization, on developing papers employing appropriate principles of organization, and upon improving skills in critical reading of non-fiction prose. EN110 must be completed with a grade of "C" or better before taking EN111. Grades are A, B, C, D, F, I or NC. Prerequisites: Completion of EN100 or test out.

**EN111** (3)  
**WRITING FOR RESEARCH** F/SP/DE  
This course is a continuation of EN110 that emphasizes clarity, accuracy, and effectiveness in written English; research techniques; correct documentation and citation formats; and argumentation. EN111 must be completed with a grade of "C" or better in order to fulfill the course requirement. Grades are A, B, C, D, F, I, or NC. Prerequisites: EN110 (or its equivalent) or advanced placement based on testing and samples of previous writing. The approval of the Division Chair, who may consult with the Director of Composition, is required.

**EN111H** (3)  
**HONORS WRITING FOR RESEARCH** SP  
This course provides students with experience in critical reading and writing of academic discourse, hands-on training in the use of library resources and technologies, access to and utilization of CD ROM and on-line databases, and practice in the development of bibliographies, research proposals, and research papers. As an Honors continuation of EN110, EN111H places emphasis on clarity, accuracy, and effectiveness in written English. Prerequisite: EN110. This course is open to students who are eligible to enroll in Honors courses.

**EN210** (3)  
**INTRODUCTION TO LITERATURE** F/SP/DE  
This course is an introduction to poetry, the short story and drama. Prerequisite: EN110.

**EN210H** (3)  
**HONORS INTRODUCTION TO LITERATURE** SP  
This course offers students the opportunity to read, think about, and experience literary works from a variety of genres. Works with a philosophical dimension are especially treated when this course is paired with PI101H and is taught by a cooperative teaching team. Prerequisite: EN110. This course is open to students eligible to enroll in Honors courses.

**-EN213** (3)  
**LITERATURE, MYTH AND CULTURE** SP/DE  
This course examines significant myths, legends, and folklore from numerous world cultures, including Africa, Asia, (focusing also on Guam, Micronesia, and the Pacific region), Europe, North America, and South America. The course emphasizes mythology's influence upon English and American literature, mythology's relevance to literary study, and mythology's role in shaping popular culture (including drama, film, television, and online media). Prerequisite: EN110.



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| <b>EN225</b><br><b>INTRODUCTION TO LITERARY CRITICISM</b><br>This survey course seeks to prepare students for the kinds of critical writing done in upper-level literature and humanities courses by introducing them to methods and concepts of critical thought from classical contemporary approaches. Prerequisite: EN111   | (3)<br>SP   | <b>EN320</b><br><b>ETHNIC AMERICAN LITERATURE</b><br>This course is a survey of representative authors in the United States whose achievements require a redefinition of American literary history. Each semester the literature of one ethnic group is studied: Native-American, African-American, Hispanic-American, Asian-American, or others. This course may be repeated when different subject matter is covered. Prerequisite: Any 200-level English course or consent of instructor.  | (3)<br>SP            |
| <b>EN311</b><br><b>CREATIVE WRITING</b><br>This course offers its students semester-long practice in writing such literary forms as the short story, the novel, the novella, stage drama, screen drama, verse, and/or the nonfiction essay. Since one literary form will normally be studied for an entire semester, the course may be repeated for credit with different subject matter. Prerequisite: EN111                               | (3)<br>F/SP | <b>EN321</b><br><b>THE POETIC TRADITION</b><br>This course focuses on structural, thematic and aesthetic discussions of poetry as an art form. Prerequisite: Any 200-level English course or consent of instructor.   | (3)<br>SP/Odd Years  |
| <b>EN314</b><br><b>BRITISH LITERATURE</b><br>This course offers a study of selected works and genres in British literature from 1800 to the present. Major works, authors, and literary movements are studied in their social and historical context. The course provides a thematic and chronological frame of reference to serve as a background to further studies in literature.  | (3)<br>SP   | <b>EN/WG323</b><br><b>LITERATURE BY WOMEN</b><br>This course explores representative literature by women around the globe and across time. The course reading covers a variety of literary forms which may include the novel, short story, poetry and such non-fiction as essays, journals, and diaries. Students acquire an understanding of these various literary forms and how women writers have used them to express religious, political, social and philosophical concerns. They also are introduced to a growing body of feminist literary theory. This course allows students to gain an understanding of the social-historical place of literature by women. Prerequisite: Any 200-level literature course or consent of instructor. | (3)<br>F/DE          |
| <b>EN316</b><br><b>PROFESSIONAL WRITING</b><br>This course focuses on formal written communication in the professional workplace. Topics include planning, writing, revising, purpose, audience, style, organization, format, technology and strategies for persuasion when writing professional memoranda, documents and reports. The course emphasizes skills and content necessary to communicate effectively in the professional world. | (3)<br>SP   | <b>EN/AN333</b><br><b>LITERATURE OF GUAM, MICRONESIA, AND THE PACIFIC</b><br>This course provides an overview of the Pacific island literatures. It surveys myths, legends, folktales, historical and literary works of Guam, Micronesia and other Pacific island cultures. It also explores resources suitable for instruction in the schools. Prerequisite: Any 200-level literature course or consent of instructor.   | (3)<br>F/Even Years  |
| <b>EN317</b><br><b>AMERICAN LITERATURE</b><br>This course is a survey of significant works of American literature spanning at least three literary periods. The course is designed to provide a chronological frame of reference for the more detailed study of American literary movements, periods, authors, and types.   | (3)<br>F    | <b>EN340</b><br><b>MAJOR AUTHORS</b><br>This course allows students to study extensively the work, life, and times of a single writer and, in so doing, to understand the importance and relevance of that writer within both historical and modern contexts. The course may be repeated for credit when different authors are covered. Prerequisite: Any 200-level English course or consent of instructor.  | (3)<br>SP/Even Years |
| <b>EN318</b><br><b>WORLD LITERATURE</b><br>This course examines significant developments in world literature and intellectual history as they are reflected in literary texts. The course will focus primarily on geographical regions outside the United States and United Kingdom and will cover at least three literary periods.   | (3)<br>F    | <b>EN350</b><br><b>LITERARY GENRES</b><br>This course offers intensive study of major literary genres, including the short story, the novel, verse, drama, cinema, and television. Other genres that may be studied include (but are not limited to) Gothic fiction, science fiction, crime fiction, espionage fiction, children's literature, ecological literature, and sentimental literature. This course may be repeated when different subject genres are covered.  | (3)<br>F/Odd Years   |
| <b>EN319</b><br><b>ADVANCED COMPOSITION</b><br>The course involves the study and writing of different types of expository prose with some attention to other forms of rhetoric: narration, description, argumentation, and includes a review of grammar, punctuation, and sentence construction. Prerequisite: consent of instructor.   | (3)<br>F    |   |                      |



**EN360** (3)  
**LITERARY HISTORY** F  
This course offers a concentrated study of eminent works in the context of the historical period in which they appear. The social developments of the time and the accomplishments in the sciences and humanities provide an intellectual frame of reference. This course may be repeated when different literary histories are covered. Prerequisite: Any 200 level literature course or consent of instructor.

**EN400** (3)  
**RHETORIC AND COMPOSITION** SP  
The course offers a study of rhetorical and composition theories with emphasis on classroom application of the current research on the teaching and study of writing. Student enrolled in this course should have completed, at least, nine credit hours of EN or LN upper-division courses.

**EN411** (3)  
**ADVANCED CREATIVE WRITING WORKSHOP** SP  
This course provides advanced instruction in the theory and practice of creative writing for students who have successfully completed an introductory creative writing course and want to develop their craft in a workshop setting. Different forms may be offered from year to year, including short fiction; the novel; poetry; creative non-fiction; and film script and television writing. Prerequisite: EN311 or consent of instructor.

**EN450** (3)  
**ENVIRONMENTAL LITERATURE** F  
This course offers intensive trans-disciplinary study of major environmental literary modes or as part of the history of ecocriticism in the United States, in the region, and on Guam. This course examines how the environmental movement has shaped and continues to reshape the academy, physically and philosophically. Prerequisite: Any 200-level English course or consent of instructor.

**EN460** (3)  
**LITERATURES IN ENGLISH** SP  
This course offers an intensive study of representative works of a particular author writing in English, or of a related group of authors (e.g., the metaphysical poets, Commonwealth novelists, Gothic writers, or Western Pacific Writers). With different subject matter the course may be taken more than once for credit. Prerequisite: Any 200-level literature course or consent of instructor.

**EN/MI/WG461/G** (3)  
**PACIFIC WOMEN WRITERS** SP/Odd Years  
This course entails an intensive study of representative works of Pacific women writers to acquaint students with the contours of this emerging literature in terms of styles, themes, symbols, images, language, politics, and subject. Students will gain an understanding of the place of this literature in the larger context of Pacific Literature, Women's Literature, Minority Literature and Contemporary Literature in English. Prerequisite: Any 200-level literature course or consent of instructor.

**EN470** (3)  
**WORLD LITERATURES IN TRANSLATION** F/Even Years  
EN470 is a focused study of western and non-western literary texts translated into English. The course may be offered in the literatures of Europe, Asia, Africa, Latin America, the Middle East, and others. The course may be repeated for credit when different subject matters or periods are covered. Prerequisite: Any 200-level literature course or consent of instructor.

**EN473** (3)  
**THE MODERN JAPANESE NOVEL** F/Odd Years  
EN473 is a focused study of selected modern Japanese novels against a background of social, political, and cultural developments from the end of the Meiji period (circa 1912) to the present. The course may be repeated for credit when different subject matters or periods are covered. Prerequisite: Any 200-level literature course or consent of instructor.

**EN480** (3)  
**LITERARY THEORY** F  
The origin and purpose of literary theory will be studied, and then various theories and the debates with which they are associated. An emphasis is placed on twentieth-century and contemporary critical movements and theories. Critical papers are required. Prerequisite: 12 credit hours in literature courses.

**FINE ARTS (FA)**

**FA231** (3)  
**SURVEY OF THE ARTS** F  
This interdisciplinary course is designed to increase student's critical awareness of the Fine Arts. Through a series of topics, the common ground shared by these Fine Arts as well as their unique modes of expression and expressive potential are explored. Prerequisite: Must be Fine Arts major or minor or consent of instructor.

**FA/PI331** (3)  
**PHILOSOPHY OF THE ARTS** SP/Even Years  
This course offers a study of the major philosophical positions taken in relation to the arts. Prerequisites: FA231 or consent of instructor.

**FA431** (3)  
**SURVIVAL IN THE ARTS** SP/Odd Years  
This course is an investigation of the practical applications of a degree in the Fine Arts including how to prepare a portfolio, audition tapes and an Arts resume. Prerequisite: FA331 and student must be Fine Arts major with no more than 12 hours remaining in her/his major requirements.

## GEOGRAPHY (GE)

**GE101** (3)  
**INTRODUCTION TO GEOGRAPHY** F/SP  
This course is an introduction to the field and methods of geography, the characteristics, distribution and interactions of physical and cultural geographic elements. The elements include climate, vegetation, soils, topography, settlement and population, transportation and trade, industry and land use.

**GE201** (3)  
**WORLD REGIONAL GEOGRAPHY** F/SP  
The study of human and physical aspects of world geography is covered in this course. Special emphasis is given to regions, continents, and major countries of the world and the relative geographic importance of those areas today.

**GE203** (4)  
**PRINCIPLES OF PHYSICAL GEOGRAPHY** SP  
This course is primarily concerned with the principles and concepts of physical geography, and stresses the patterns and interrelationships of climate, vegetation, soils and landforms. Emphasis is placed on geographic processes, which have tropical and Pacific relevance. Three lecture hours and three-hour weekly laboratory or field trips.

**GE/EC321** (3)  
**ECONOMIC GEOGRAPHY** F  
This course is a world survey of significant agricultural, industrial, and commercial regions and patterns resulting from man's exploitation of resources with special emphasis on their relationships to Guam.

**GE/AN341** (3)  
**CULTURAL ECOLOGY** F/Odd Years  
This course examines the linkages and interactions between human cultures and the environment, particularly of subsistence peoples in the tropics and the Pacific. Traditional and contemporary theories and approaches of human adaptation to and modification of the environment are examined. Prerequisites: GE101, AN101 or BI157-157L.

**GE401** (3)  
**GEOGRAPHY OF THE PACIFIC** F  
The geography of the Pacific Basin and the western margins of the Pacific are surveyed in this course. Special emphasis is given to Guam and Micronesia.

**GE461** (3)  
**CONSERVATION/NATURAL RESOURCE MANAGEMENT** F/Even Years  
This course offers a study of the principles and problems of natural resource management and conservation with particular reference to Pacific islands and tropical resource systems. Lectures and readings stress an ecological approach and the role of environmental planning in land use management. Prerequisites: One 200 level GE course or consent of instructor.

**GE/SO475** (3)  
**HUMAN ECOLOGY: PROBLEMS AND SOLUTIONS** F/Odd Years  
This course examines the relationship between human populations and their environments in the context of the functional interdependence involving population, environment, organization, and technology. Special attention is given to an examination of world population, geography, and an analysis of the causes, consequences and solutions to modern day social and environmental problems. Prerequisite: SO101, SO202, and MA385, or consent of instructor.

**GE480** (3)  
**SPECIAL TOPICS IN GEOGRAPHY** SP  
This course covers regions of interest in geography and may include physical and/or human geography subject matter. Current themes on environment, climate change, culture, politics/war, economy, ethnicity, gender, minority populations, technology, religion may be explored for a defined region of interest, within a historical context where indicated. Course may be repeated if topic is different. Prerequisites: GE 201 or GE 101 or consent by instructor.

## HEALTH SCIENCES (HS)

**HS104** (1)  
**CONDITIONING AND FITNESS** F/SP  
This is a program of exercise designed to develop strength, endurance, flexibility, coordination and power supplemented by weight training and aerobic conditioning.

**HS105** (1)  
**STRENGTH TRAINING** F/SP  
This activity course is primarily concerned with the development of muscular strength and the concurrent reduction of total body fat through a safe, personalized program of weight training. In addition to discussion on proper form and technique, the course considers the latest research findings on current topics such as steroid ingestion and protein supplementation.

**HS106** (1)  
**AEROBIC DANCE** F/SP  
This course offers fundamental instruction in exercise and physical fitness via fitness activities, with emphasis on regular, continuing and enjoyable participation. May be repeated for credit.

**HS111** (1)  
**BEGINNING TENNIS** As Resources Permit  
This course introduces the basic aspects of the game of tennis including grips, forehand and backhand ground strokes, forehand and backhand volley, overhead and service. Scoring, etiquette, and the rules used in singles play are also covered.

**HS121** (1)  
**VOLLEYBALL** As Resources Permit  
In this class dealing with the skills and fundamentals of volleyball, students are given the opportunity of developing the proper skills and techniques associated with volleyball and to participate in competitive games.



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|---|-------------------------------------|--|-----------------------|
| <b>HS122</b><br><b>BASKETBALL</b><br>Students are introduced to the basic skills, rules and regulations used in the sport of basketball. Various types of offensive and defensive formations are explained and demonstrated during class. Proper techniques of warming- up, conditioning and nutrition are also covered. (The last four weeks of class consist of competitive games, i.e., five-on-five and two-on- two, where the students are able to apply the skills and techniques which they have learned in class.)                                    | (1)<br><b>As Resources Permit</b>   | <b>HS200</b><br><b>HEALTH AND WELLNESS</b><br>Health and Wellness is designed to introduce students to the concepts of physical fitness and wellness and the lifetime benefits provided through participation in an individualized program. Its lecture component provides an in-depth understanding of the hows and whys of health fitness as well as information most useful in helping students make healthful adjustments to their current lifestyles. The course also offers participation in an individualized exercise program with a choice of several different activities. Pre and post testing are done to determine improvement in the areas of cardiovascular fitness, muscular strength, flexibility, and body composition. Prerequisite: None.                    | (3)<br><b>F/SP/DE</b> |
| <b>HS131</b><br><b>BEGINNING SWIMMING</b><br>This course is an introduction to swimming through instruction and development of basic swimming strokes and personal water safety skills for activities in or near the water. Opportunity is provided to complete the requirements of the Community Water Safety course and Level III or IV of the Learn-To-Swim Program of the American Red Cross.   | (1)<br><b>As Resources Permit</b>   | <b>HS210</b><br><b>HUMAN BIOLOGY AND BEHAVIOR</b><br>Understanding the basics of human biology and the relation between human biology and behavior is crucial for students, especially those in the allied health and human service professions. This is an overview course designed for undergraduate students who have no background in human biology and behavior. This course emphasizes core biological concepts as they relate to human behavior and health – how our bodies work, how our genes, environmental factors and disease - causing organisms affect our health. Special focus is on recent advances in biology, biological and behavioral development across the human lifespan, human problems/illness and biology, public health and biology, and ecosystems. | (3)<br><b>F</b>       |
| <b>HS132</b><br><b>INTERMEDIATE SWIMMING</b><br>This course offers instruction and development in five basic swimming strokes, diving and appropriate water safety skills for personal safety and for assisting in a water emergency. Opportunity is provided to complete the requirements of the Community Water Safety course and Level IV or V of the Learn-To-Swim Program of the American Red Cross. Prerequisite: Ability to jump into deep water, level off, swim the front crawl stroke for 15 meters plus demonstrate any back stroke for 15 meters. | (1)<br><b>As Resources Permit</b>   | <b>HS216</b><br><b>INTRODUCTION TO PUBLIC HEALTH</b><br>This course offers an overview of public health and the discussion of current topics, recent events and the most up-to-date key issues that affect the public's health. The major areas of public health are presented together with many of the applications to epidemiology, surveillance, environmental health, illness prevention, and public health policy making.  | (3)<br><b>F</b>       |
| <b>HS142</b><br><b>AIKIDO</b><br>This course covers rules, etiquette, basic roll, simple holds and breaking of such holds, and offers special conditioning exercises.   | (1)<br><b>F</b>                     | <b>HS322/PE322</b><br><b>KINESIOLOGY</b><br>Kinesiology is the study of the human body from the viewpoint of the physical sciences. It is an essential part of the educational experience of students of physical education, dance, sport, and physical medicine. The function of the course is to contribute not only to successful participation in various physical activities, but also to the improvement of the human structure through the intelligent selection of activities and the efficient use of the body. Prerequisites: Grade of C or better in EN111 and BI124-124L.  | (3)<br><b>F</b>       |
| <b>HS143</b><br><b>TAE KWON DO</b><br>Tae Kwon Do, a Korean martial art, means roughly hand/foot art and is somewhat analogous to Japanese Karate. It contains an equal balance of philosophical, mental, and physical elements.  | (1)<br><b>SP</b>                    | <b>HS/PE324</b><br><b>EXERCISE PHYSIOLOGY</b><br>This course is designed to assist potential teachers and others involved in activity programs to be safely effective in the gymnasium and on the athletic playing field. Study focuses on how the body, from a functional standpoint, responds and adjusts to exercise. Both acute and prolonged (chronic) exercises, as used in exercise training, are considered. Prerequisites: Grade of C or better in EN111, BI124-124L, BI125-125L, BI125-125L or consent of instructor required.   | (3)<br><b>SP</b>      |
| <b>HS144a-b</b><br><b>FENCING</b><br>(a) This course is designed to acquaint the student with the art of fencing, to develop acknowledge of the sport, and to develop some of the basic skills of fencing. (b) Emphasis is placed upon improving basic skills and fundamentals of fencing.  | (1-1)<br><b>As Resources Permit</b> |  |                       |
| <b>HS145</b><br><b>BEGINNING HATHA YOGA</b><br>This course introduces the physical practices of yoga. Students are taught a series of stretching and breathing exercises designed to increase flexibility, agility and balance. The exercises also promote deep relaxation and help relieve tension and anxiety. Instruction is given in a manner that allows students at different levels of physical fitness to develop at their own pace.  | (1)<br><b>SP</b>                    |  |                       |



**HS350 (3)**  
**TEST AND MEASUREMENT IN HUMAN PERFORMANCE SP**  
 Students are taught how to administer various tests designed to measure improvement in physical education in terms of health and physical services. The three areas of concern are current trends in health and physical education, the specific qualities to be measured, and the explanation of administrative procedures in the practical use of tests. Also covered is the careful use of tests to accurately examine the achievement of educational objectives.

**HS/SW355 (3)**  
**HUMAN SEXUALITY SP**  
 This course offers a broad overview of human sexuality from a multidisciplinary perspective: the biological, psychological, sociological, and cross-cultural. It provides some of the most current information in the field today and the opportunity for students to reflect on their personal values, attitudes, beliefs, and behaviors regarding sexuality and to consider critical practice issues in his/her field.

**HS405/G (3)**  
**EPIDEMIOLOGY F/SP**  
 This course offers an overview of epidemiology and the epidemiologic approach to problems of health and disease. The major principles and methods of epidemiology are presented together with many of the applications of epidemiology to public health and clinical practice. Prerequisites: Ma 151 or have demonstrated equivalent knowledge and skills.

**HS/NU416 (3)**  
**RESEARCH IN NURSING AND HEALTH SCIENCES F**  
 This course focuses on the research process and the use of research in nursing. The roles of the consumer of research, critical thinker, and leader in professional nursing are integrated through the use of the research process. Prerequisites: MA151 and NU302B, NU303B, NU304B, NU305B, NU310 or NU324S, and NU325S or instructor permission. Co requisites: NU308, NU309, NU412, NU403, or instructor permission.

**HS451 (3)**  
**RESEARCH AND REPORT WRITING SP**  
 This is a follow-up course to HS/NU416. Students will have the opportunity to use the work from HS/NU416 to write a research paper, report, and/or proposal for a grant. Prerequisite: HS/NU416.

**HS491 (3)**  
**CURRENT TOPICS IN HEALTH SCIENCES F/SP/SU**  
 This course focuses on selected topics that are not otherwise covered in depth in regular Health Science courses. Themes that are covered include community partnerships and advanced topics in Health Science. Key concepts from the general education requirements and basic health sciences are integrated in this course. With different topics offered, this course may be repeated for credit. Prerequisite: HS216.

**HS498 (6)**  
**INTERNSHIP IN HEALTH SCIENCES F/SP**  
 The course is a supervised internship or field placement in the areas of exercise science and health promotion which is designed to provide opportunities for experiential learning at an advanced level. Students pursue professional assignments (minimum of 20 hours per week) with an agency or organization which provides services related to the students preparation in physical education. Prerequisite/Co requisite: Senior standing and HS451

**HISTORY (HI)**

**HI121 (3)**  
**WORLD HISTORY I F/SP**  
 This course is a comprehensive study of world history from the formation of early complex societies to 1500.

**HI122 (3)**  
**WORLD HISTORY II F/SP**  
 This course is a comprehensive study of world history from 1500 to the present.

**HI201 (3)**  
**EARLY AMERICA F/SP**  
 In this course, students will survey the principal historical developments in the United States from colonial times to the end of Reconstruction in 1877.

**HI202 (3)**  
**MODERN AMERICA F/SP**  
 In this course, students will survey the principal historical developments in the United States from the end of Reconstruction in 1877 to the present.

**HI211 (3)**  
**HISTORY OF GUAM F/SP**  
 This course surveys the political, socio-cultural, economic, and military history of Guam and its people since ancient times, reviewing historical changes through the eras of Spanish, Japanese and American colonial rule.

**HI243 (3)**  
**HISTORY OF MICRONESIA F**  
 This course is an introduction to the traditional and western history of the Micronesian islands.

**HI306 (3)**  
**MODERN AMERICAN MILITARY HISTORY (1914-present) SP**  
 The subject matter of this course covers the growth and development of the United States Armed Forces from 1914 to the present, including the role of the American military in the preservation and development of the nation.

**HI371 (3)**  
**HISTORY OF EAST ASIA TO 1600 F/Even Years**  
 This course focuses on the characteristics of East Asian civilizations as they developed in pre-modern China, Japan, and Korea.



**HI372** (3)  
**HISTORY OF EAST ASIA SINCE 1600** SP/Odd Years  
This course examines continuity and change in East Asia (China, Japan and Korea) since 1600.

**HI406** (3)  
**THE UNITED STATES**  
**IN RECENT TIMES** F/Odd Years  
Students in this course explore the major social, economic, cultural, diplomatic, and political developments in the United States since 1945.

**HI409** (3)  
**DIPLOMATIC HISTORY**  
**OF THE UNITED STATES** F/Even Years  
Covering the period 1898 to the present, this course examines the emergence of the United States as a world power, and the factors that influenced the conduct of America's foreign policy.

**HI/AN413** (3)  
**RESEARCH METHODOLOGY IN**  
**ANTHROPOLOGY AND HISTORY** F/Odd Years  
This course covers the use of bibliography, reference tools, and research methods in Anthropology and/or History. Presentation and cooperative evaluation of research materials, methods, and projects is required. Course may not be repeated for credit. Prerequisite: SO101/350 and MA385, or consent of instructor.

**HI420** (3)  
**TOPICS IN WESTERN HISTORY** SP/Odd Years  
This course is an intensive study of a specific topic or problem in Western History. With different subject matter, the course may be taken more than once for credit.

**HI441** (3)  
**HISTORY OF THE PHILIPPINES** F/Odd Years  
Students in this course survey Philippine history and society from earliest times to the present.

**HI444** (3)  
**MODERN PACIFIC HISTORY FROM**  
**1850 TO THE PRESENT** SP/Even Years  
This course covers colonial and post colonial rule in the Pacific.

**HI450** (3)  
**TOPICS IN PACIFIC HISTORY** SP/Odd Years  
This course is an intensive study of a specific topic or problem in Pacific History. With different subject matter, this course may be taken more than once for credit.

**HI455** (3)  
**TOPICS IN PRE-**  
**MODERN HISTORY** As Resources Permit  
This course is an intensive study of a specific topic problem in Pre-Modern History. With different subject matter, the course may be taken more than once for credit.

**HI474** (3)  
**HISTORY OF MODERN JAPAN** SP/Even Years  
This course focuses on the political, social, diplomatic, and economic development of modern Japan from the beginning of the Tokugawa Shogunate (1603) to the present. Attention is also given to Japan's response to the West.

**HI476** (3)  
**HISTORY OF MODERN CHINA** F/Odd Years  
This course examines the transition from traditional to modern China. China's entry into the modern world, and China under the Communist regime.

**HI478** (3)  
**THE HISTORY OF**  
**MODERN KOREA** As Resources Permit  
This course emphasizes the evolution of Korea from the Yi Dynasty (1392-1910) to the present.

**HI480** (3)  
**TOPICS IN ASIAN**  
**HISTORY** F/Even Years,  
As Resources Permit  
This course is an intensive study of specific topic or problem in Asian history. With different subject matter, the course may be taken more than once for credit.

## INTERDISCIPLINARY ARTS AND SCIENCES (IAS)

**IAS101** (3)  
**GATEWAY TO INTERDISCIPLINARY**  
**ARTS AND SCIENCES** F/Odd Years  
In this course, the student is introduced to the history and theory of liberal education.

**IAS497** (3)  
**INTERDISCIPLINARY ARTS AND**  
**SCIENCES CAPSTONE COURSE** SP/Even Years  
In this course, students will fully study the history and theory of liberal education.

## INTERDISCIPLINARY COURSES (ID)

The following courses are designed to improve the student's skills as a university student. They are usually taught by a faculty member who is not assigned to a college. They can be used for credit towards graduation.

**ID170** (1)  
**INTRODUCTION TO**  
**LIBRARY RESOURCES** F/SP  
This course is designed to provide a basic introduction to library and information resources and research methodology. Instruction in the use of the online public catalog, Internet, CD-ROM information tools, periodical indexes, reference materials and in the preparation of bibliographies are emphasized.

**ID180** (2)  
**COLLEGE SUCCESS SEMINAR** F/SP  
Through a series of discussions and readings, this course is designed to provide students with a fuller understanding and appreciation of higher education in the context of a diverse and multicultural campus, as well as a richer awareness of themselves as individuals and contributors to society. ID180 strongly emphasizes communication among instructor and

students, as this will help foster the uniqueness of each individual, enhancing self-worth, dignity, and the potential for self-growth. Special consideration is given to decision-making, time-management, career interest and studying techniques, as well as exploring the complexities of establishing effective relationships. Thinking clearly and choosing wisely are ultimate goals to be reached in this course, as these qualities will promote responsibility, independence, and self-understanding.

## LEGAL STUDIES (LW) – CRIMINAL JUSTICE

**LW101** (3)  
**INTRODUCTION TO CRIMINAL JUSTICE** F/SP  
This course is designed to produce an understanding of the underlying purpose of law enforcement by analyzing the functions of the police officer, courts, penal institutions and attorneys. The course also provides a survey of the criminal justice system focusing on its purpose, problems and functions.

**LW106** (3)  
**PERSONAL LAW** F/SP  
Personal Law introduces basic legal principles and their application to everyday human relations.

**LW110** (3)  
**INTRODUCTION TO THE PARALEGAL PROFESSION** SP/Odd Years  
This course introduces the student to the role of the paralegal in the legal system by examining general duties and responsibilities. The Integrated Bar Act will be examined within the framework of the authorized practice of law and the parameters of paralegal practice, including ethical considerations.

**LW120** (3)  
**LEGAL INVESTIGATION AND TECHNICAL REPORT WRITING** SU/Odd Years  
This course offers an overview of applied examination, fact-finding, problem-solving methods and technical report writing and their application to the legal profession.

**LW202** (3)  
**TRIAL AND EVIDENCE** F/SP  
This course examines criminal procedure from investigation through arrest and trial. The rules of evidence and constitutional requirements regarding police investigations, search and seizure, arrests, confessions and admissibility of evidence in criminal trials are covered.

**LW220** (3)  
**SECURITY MANAGEMENT IN BUSINESS AND GOVERNMENT** SP  
This course focuses on applying security management concepts and techniques to modern business and public sector operations. The course emphasizes security practices and crime control functions in a business and/or government environment.

**LW285** (3)  
**LEGAL REASONING, RESEARCH AND WRITING** F  
This course examines legal theory and reasoning and its application to legal research and writing. In-depth legal analysis will be conducted and key skills in researching case law, statutes and other legal sources will be developed. The legal writing portion of this course will develop legal citation skills and the preparation and writing of legal briefs and law office memoranda.

**LW306** (3)  
**CRIMINAL LAW** F/SP  
The student studies the required elements of crimes under the common law and modern criminal statutes. Specific problems of application of the elements of crimes to law enforcement and the criminal justice system are emphasized.

**LW311** (3)  
**CORRECTIONAL SECURITY MANAGEMENT AND ADMINISTRATION** F  
The rationale, procedures and problems underlying sentencing and the correctional process are analyzed. The course also focuses on problems of recidivism and future trends in criminal corrections.

**LW330** (3)  
**CONTRACTS AND TORTS** F  
This course presents the basic principles of contracts including offer and acceptance, consideration, interpretation and construction, breach, remedies and defenses. The tort phase of the course will examine the basic areas of personal injury law such as intentional and quasi-intentional acts, negligence, strict liability, defenses and other general considerations.

**LW360** (3)  
**ADMINISTRATIVE PROCEDURE** F/SP  
This course prepares the paralegal to render legal assistance in the processes, procedures, and requirements established by administrative agencies through their enabling statutes and rules and regulations. Methods of informal and formal rulemaking and adjudication will be examined, as well as policy execution. This course will also explore administrative considerations in such areas as real estate transactions, procurement, bids, licensing, zoning, employment and program management are discussed.

**LW380** (3)  
**CRIMINAL AND CIVIL PROCEDURE** F  
This course examines primary criminal and civil practice issues from procedural, substantive and legal support perspectives.

**LW402** (3)  
**CONSTITUTIONAL LAW** F/SP  
This course provides the student with underlying principles of constitutional interpretation, government organization and functions, and the application of the Bill of Rights to criminal justice. Special problems of constitutional principles applied to the criminal justice system are dealt with through the study of U.S. Supreme Court cases.

**LW404 (3)**  
**ADMINISTRATION AND  
MANAGEMENT OF CRIMINAL  
JUSTICE ORGANIZATIONS F**

This course examines the application of sound organizational theory and public administration and management practices in the criminal justice system. This course focuses on the interdependencies of the administrative systems of criminal justice agencies and strategies that are necessary for administrators to successfully manage these agencies.

**LW409 (3)**  
**PROBLEMS IN CRIMINAL  
JUSTICE (Senior Seminar) SP**

This course examines current problems in law enforcement and criminal justice at the territorial and national levels from an administrative perspective, including review and evaluation of solutions to current problems developed by police and other criminal justice agencies, academic disciplines and other sources.

**LW442 (3)**  
**BUSINESS LAW I F/SP**

This course examines the rules of law governing business transactions. Topics covered include the American legal system: definitions, classifications, and sources of law; court systems and procedures; tort laws; laws of contract: essentials of enforceable agreements, operation, and discharge; law of sales; and the Uniform Commercial Code.

**LW443 (3)**  
**BUSINESS LAW II F/SP**

This course covers law of agency and employer-employee relations including rights and liabilities of parties, and the termination of relationships; law of business organization: sole ownership, partnerships, and corporations; laws of negotiability, negotiations and discharge and debtors, creditors and bankruptcy. Prerequisite: LW442

**LW490 (3)**  
**SPECIAL PROJECT  
IN LEGAL STUDIES As Required**

This special research course is intended to provide Criminal Justice and Public Administration majors with the contemporary principles and techniques of research in the principles of constitutional interpretation, government organization and functions, and the application of the Bill of Rights to criminal justice.

**LW498 (3)**  
**LEGAL STUDIES INTERNSHIP F/SP**

This course provides qualified students with the opportunity to gain experience in public and criminal justice administration. Students are placed in government agencies and related organizations and work under the supervision of a management official. Students must consult with the Internship Coordinator prior to enrolling.

**LIBRARY SCIENCE (LS)**

**LS310 (3)**

**CATALOGING AND  
CLASSIFICATION OF SCHOOL  
LIBRARY MATERIALS F/Even Years**

This course introduces the purpose, theory and principles of cataloging and classification using Dewey Decimal Classification and Sears Subject Headings. It includes construction of a main catalog for the school library, including audiovisual materials and processing materials from acquisition to circulation.

**LS311 (3)**

**BUILDING SCHOOL LIBRARY  
COLLECTIONS SP/Even Years**

This course covers intellectual, administrative, and practical aspects of building, maintaining and evaluating school library collections with particular reference to Guam and the Western Pacific. Topics include the writing and implementation of collection policies, community analysis and the needs of library users, strategies of selection and evaluation, analysis and evaluation of current reviewing media, school library standards, censorship, acquisitions procedures and management, library cooperation, copyright, contemporary publishing, and use of computers in acquisitions.

**LS312 (3)**

**SCHOOL LIBRARY/MEDIA  
ADMINISTRATION SP/Odd Years**

This is an introduction to school library media center philosophy, organization, administration and the role of the center in the instructional program. It is a study of the routines, methods, and records necessary for the daily operation and supervision of the center. The course examines the role of the librarian and the principal-teacher-student relationship.

**LS314 (3)**

**SCHOOL LIBRARY METHODS:  
TEACHING AND LEARNING  
IN THE SCHOOL LIBRARY F/Odd Years**

This course covers objectives, methods, philosophy and role of the school library media center in supporting curriculum and instruction. It introduces techniques to assist teachers in selecting and utilizing appropriate materials for individual, small group, and large group instruction. It covers development of library skills instruction and literature appreciation programs.

**LS315 (3)**

**REFERENCE AND INFORMATION  
SOURCES AND SERVICES SP/Even Years**

This course is a survey of basic print and electronic resources appropriate to reference and information services for elementary and secondary schools. It provides practice in evaluation, selection and use of reference sources, and examines the role of the school library media center in teaching information literacy.

**LS/ED319 (3)**

**CHILDREN'S LITERATURE SP**

This course emphasizes the reading and examination of all types of printed and audio-visual materials, a study of the history and development of children's literature, its value to the communication process, and the criteria for selection and utilization of books and closely related materials suited to the



needs and tastes of elementary school children including exceptional children.

**LS320** (3)  
**YOUNG ADULT LITERATURE** SP/Odd Years  
This is a survey of books and audiovisual materials suitable for secondary school students with emphasis on current interests and materials. It is an introduction to basic aids for selection, as well as practice in techniques of reading guidance and promotional programs such as book talks, booklists, and film programs.

**LS/ED451** (3)  
**AUDIO VISUAL EDUCATION** F/SP  
This is a laboratory course in which instructional design and the selection, production, and utilization of media resources are studied. A survey of perception, communication and learning theories, as well as selected research studies applicable to the design of instructional systems are included. Prerequisites: ED300 or consent of instructor.

**LS/ED452** (3)  
**COMPUTERS IN EDUCATION** F  
The course is designed to teach preservice and inservice teachers about microcomputers in education. It provides practical experience with computers, and aids students in learning the various types of software (applications, utilities, CAI/CMI) and their school and classroom uses. LOGO is taught. Issues involved in computer use in education are studied. No previous computer experience is necessary.

**LS453** (3)  
**MULTIMEDIA MATERIALS AND SERVICES** F/Even Years  
This course is a survey of multimedia resources that supports learning and instruction in elementary and secondary schools. Examines policies and criteria for the selection, evaluation, acquisition, organization and maintenance of non-print media collections and electronic resources in school library media center. Prerequisites: ED451 and LS310 or consent of the instructor.

**LINGUISTICS (LN)**

**LN101** (3)  
**INTRODUCTION TO LANGUAGE** F/SP  
Exploring the use of language (English in particular), this course is intended for students without any previous background in the study of language. The course focuses on different ways in which English may be formed and used by different people in different situations. It also serves as an introduction to the study of the sounds, words, and sentences of English and other languages.

**LN300** (3)  
**INTRODUCTION TO LINGUISTICS** F/SP  
This is an introduction to the nature and classification of language and to the methods used in contemporary linguistic science to analyze and describe languages, with attention to the practical application of linguistics. Prerequisite: EN111.

**LN350** (3)  
**LINGUISTICS AND THE LANGUAGE ARTS** F  
This course examines the many perspectives from which language may be viewed. It is intended to give students a broad view of the nature, acquisition, uses, and misuses of language as well as to remind them of the connections between language, culture, and society. Prerequisite: LN300.

**LN371** (3)  
**WORLD ENGLISHES** F  
This course examines the development of different varieties of standard English throughout the world. In the past half-century, English has exploded as the most widely used world language, and most of the users are non-native speakers. The result of worldwide contact with English, the evolution of English varieties, and cross-cultural similarities and difference in patterns of language use are addressed. Prerequisite: LN300.

**LN385** (3)  
**STRUCTURE OF ENGLISH** SP  
LN385 presents a general description of the structure of Standard English. The course focuses on sentence structure, word formation, word choice, and other aspects of Standard English that most people refer to as grammar. The course is of special value for future and current English teachers who will be teaching English and its use to their own students. Prerequisite: LN300.

**LN400/G** (3)  
**APPLIED LINGUISTICS** F  
This course covers methods of teaching English as a second language. It familiarizes students with test drills, activities, and exercises used in ESL programs. Work on materials preparation dealing with phonological, syntactical, and semantic problems is included. Prerequisite: LN300.

**LN401/G** (3)  
**HISTORY OF THE ENGLISH LANGUAGE** SP/Even Years  
This course is an historical survey of the sound, structure, and syntax of the English language from 900 A.D. to the present. Prerequisite: LN300.

**LN440/G** (3)  
**TOPICS IN LINGUISTICS** SP  
Courses included under this umbrella course provide undergraduate and graduate students with advanced study of specific topics within the study of language. These topics focus attention on language use, language analysis, and language learning. Special attention will be paid, where possible, to Pacific languages and cultures. The course may be repeated when topics vary. Prerequisite: LN300 or consent of instructor.

**LN440b/G** (3)  
**TOPICS IN LINGUISTICS: PRAGMATICS** As Resources Permit  
Pragmatics presents an exploration of what we actually do with our language. Following a cross-cultural approach, the course analyzes the ways we use our language to do what we want it to do and say what we really mean in various contexts and situations. Prerequisites: LN300 or consent of instructor.



**LN460/G** (3)  
**INTRODUCTION TO SOCIOLINGUISTICS** F/Odd Years  
This course is an introduction to current sociolinguistic studies. Emphasis is placed on the nature of the speech community, speech events, societal bilingualism, and language constraints. Additional emphasis is placed on practical application of basic sociolinguistic concepts. Prerequisite: LN300.

## MATHEMATICS (MA)

**MA084a-b** (3 NDUS)  
**FUNDAMENTALS OF MATHEMATICS LECTURE (Levels I, II)** F/SP  
This course is entirely lecture-based and is equivalent to MA085. This course is a study of the fundamental concepts of high school mathematics, including arithmetic, algebra, and informal geometry. The course is designed to provide the background necessary for advancement in mathematics. Placement into this course is determined by the Mathematics Placement Test. Grades are P (Pass), or NC (No Credit), or F (Failure)

**MA085** (3 NDUS)  
**FUNDAMENTALS OF MATHEMATICS (Levels I, II)** F/SP  
This course is a study of the fundamental concepts of high school mathematics, including arithmetic, algebra, and informal geometry. The course is designed to provide the background necessary for advancement in mathematics. Placement into this course is determined by the Mathematics Placement Test. Grades are P (Pass), or NC (No Credit), or F (Failure)

**MA110** (3)  
**FINITE MATHEMATICS** F/SP  
This course covers linear, quadratic, polynomial, exponential and logarithmic functions, and their applications to finance and economics. The course also provides an introduction to solving systems of linear equations, matrix operations, and a treatment of linear programming which includes the simplex method. *This course satisfies the GE requirement, but does not satisfy any prerequisite for higher level mathematics courses. It is intended for those students who have no further needs in mathematics.* Prerequisite: MA084b, MA085 Level II, completed within the previous 3 semesters, or placement.

**MA115** (3)  
**INTRODUCTORY COLLEGE ALGEBRA** F/SP  
This course prepares students for MA161a-b or MA165. Topics include polynomial equations; radical expressions; systems of equations and inequalities; functions; inverse functions; graphing; rational, exponential, and logarithmic functions; and application problems. This course *satisfies* the GE requirement. *It is intended for those students who continue their studies in mathematics after completing this course.* Prerequisite: MA084b or MA085 Level II, completed within the previous 3 semesters, or placement. Prerequisite: MA084b or MA085 Level II, completed within the previous 3 semesters, or placement.

**MA151** (3)  
**INTRODUCTORY STATISTICS** F/SP  
This course presents statistical methods as applied to the description and display of data, and to drawing conclusions from statistical data, and introduces the basic probability theory needed to understand and use the techniques of elementary statistics. Prerequisite: MA084b, MA085 Level II or placement.

**MA161a-b** (3-3)  
**COLLEGE ALGEBRA AND TRIGONOMETRY** F/SP  
MA161a includes algebraic, exponential and logarithmic functions, systems of equations and inequalities. MA161b includes trigonometry, additional algebraic functions, sequences, series and probability. A student may receive credit for either the MA161a-b sequence or the MA 165 course, but not a combination of the two. Prerequisite: Grade of C or better in MA115 or Placement.

**MA165** (5)  
**PRECALCULUS** F/SP  
Topics include algebraic, exponential and logarithmic functions; systems of equations and inequalities; trigonometry; sequences and series. A student may receive credit for either the MA161a-b sequence or the MA 165 course, but not a combination of the two. Prerequisite: Grade of C or better in MA115 or Placement.

**MA203** (5)  
**CALCULUS I** F/SP  
This is the first semester of a standard calculus course. Topics include limits; continuity; the definition of derivatives; derivatives of algebraic and transcendental functions; product, quotient, and chain rules; applications; and Reimann Sums. Prerequisite: Grade of C or better in MA161b or MA165 or placement or equivalent.

**MA204** (5)  
**CALCULUS II** F/SP  
This is the second semester of a standard calculus course. Topics include techniques and applications of integration, differential equations, power series, and Taylor series. Prerequisite: Grade of C or better in MA203.

**MA205** (3)  
**MULTIVARIABLE CALCULUS** F  
This course covers the calculus of functions of several variables, including partial differentiation and multiple integration. Prerequisite: Grade of C or better in MA204.

**MA301** (3)  
**DIFFERENTIAL EQUATIONS** SP/Even Years  
This course covers the study of the fundamental concepts of differential equations with applications. Prerequisite: Grade of C or better in MA204.

**MA302** (3)  
**FOUNDATIONS OF HIGHER MATHEMATICS** SP  
This course provides a careful introduction to mathematical reasoning using definitions and proofs. Topics covered include set theory, logic and mathematical induction. Prerequisite: Grade of C or better in MA205.



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| <b>MA341</b><br><b>LINEAR ALGEBRA</b><br>Topics covered include vectors, vector spaces, subspaces, linear dependence, matrices, determinants, Euclidean spaces and linear equations. Prerequisite: Grade of C or better in MA204.  | (3)<br>F            | <b>MA421</b><br><b>INTRODUCTION TO ANALYSIS I</b><br>This is the first course in a two-semester sequence designed to provide an introduction to the rigorous study of the foundations of calculus. Topics covered include the completeness of the real numbers, elementary topology, continuous functions, and numerical sequences and series. Prerequisites: A grade of C or better in MA205 and MA302.                                | (3)<br>F                   |
| <b>MA351</b><br><b>DISCRETE STRUCTURES</b><br>This course introduces the rigorous theoretical framework within which ideas about computer science can be expressed. Prerequisite: Grade of C or better in MA204.   | (3)<br>SP           | <b>MA422</b><br><b>INTRODUCTION TO ANALYSIS II</b><br>This is the second course in a two-semester sequence designed to provide an introduction to the rigorous study of the foundations of calculus. Topics covered include differentiation, integration, sequences and series of functions. Prerequisites: A grade of C or better in MA421.  | (3)<br>SP                  |
| <b>MA361</b><br><b>NUMBER THEORY</b><br>This course covers the study of the properties of integers, congruencies, diophantine equations, prime numbers and residue classes. Prerequisite: Grades of C or better in both MA205 and MA302.   | (3)<br>F/Odd Years  | <b>MA431/G</b><br><b>TOPICS IN ADVANCED MATHEMATICS</b><br>This course offers selected topics in advanced mathematics such as topology, mathematical induction, non-Euclidean geometries. Different subject matter may be repeated for credit. Prerequisite: Grades of C or above in MA205 and MA302.   | (3)<br>As Resources Permit |
| <b>MA375</b><br><b>NUMERICAL METHODS AND SOFTWARE</b><br>This course is an introduction to such topics as interpolation, integration, solutions of linear systems of equations, solutions of linear and nonlinear equations, and solutions of ordinary differential equations. It includes the use of numerical software libraries. Prerequisite: Grade of C or better in MA204 and MA341, CS201 or CS202.   | (3)<br>SP/Odd Years | <b>MA441</b><br><b>MODERN GEOMETRY</b><br>This course treats non-Euclidean and advanced Euclidean geometry. Prerequisites: Grades of C or better in both MA205 and MA302.   | (3)<br>As Resources Permit |
| <b>MA385</b><br><b>APPLIED STATISTICS</b><br>This course covers: statistical inference, sampling theory, hypothesis testing, correlation, and non-parametric statistics as applied to the social, life and physical sciences and to business. Prerequisite: Grade of C or better in MA151 or equivalent course.  | (3)<br>F/SP         | <b>MA451</b><br><b>PROBABILITY AND STATISTICS</b><br>This course covers probability models and distributions, including univariate and multivariate distributions, and provides an introduction to parametric and nonparametric decision theory. Prerequisites: MA151 or equivalent and grade of C or better in MA302.  | (3)<br>As Resources Permit |
| <b>MA/BI387</b><br><b>STATISTICS FOR SCIENCES</b><br>The topics include exploring data in graphs and in numerical values, introducing basic probability theory for statistics, sampling distributions, estimation theory, testing hypothesis, correlation, variance analysis, and non-parametric statistics. Students develop their own statistical programs to solve statistical problems. Prerequisite: Grade C or better in MA161a or higher. Students enrolled in MA387 Statistics for Sciences for credit may not also earn credit for MA385 Applied Statics. | (4)<br>SP           | <b>MA453</b><br><b>OPERATIONS RESEARCH MODELS</b><br>Operations research models are designed to optimize, maximize, or minimize real world processes. Computer methods and packages are included for linear and dynamic programming, life and death processes, P.E.R.T.-C.P.M., trend analysis and queuing theory. Prerequisites: MA341 and either MA385 or MA387.  | (3)<br>As Resources Permit |
| <b>MA392</b><br><b>LABORATORY TEACHING AND ASSISTING</b><br>This course provides for practical educational experiences in teaching and assisting with developmental math classes. It may not be used for more than two upper division elective credits. Prerequisite: C or better in MA203 or consent of instructor. Grades are P (Pass) or F (Fail).  | (1-2)<br>F/SP       | <b>MA460</b><br><b>NUMERICAL LINEAR ALGEBRA</b><br>The course covers topics such as numerical solutions to systems of linear equations; linear least squares problems; eigenvalue and eigenvector problems. Methods include Gauss-Jordan elimination, Seidel iterating, the QR algorithm, and linear optimization. It includes the use of numerical software libraries. Prerequisite: Grades of C or better in MA205, MA302, and MA375. | (3)<br>As Resources Permit |
| <b>MA411</b><br><b>INTRODUCTION TO ABSTRACT ALGEBRA</b><br>This course offers a study of modern algebra with topics from group theory and ring theory. Prerequisites: Grades of C or better in both MA205 and MA302.   | (3)<br>SP           | <b>MA461</b><br><b>NUMERICAL ANALYSIS</b><br>The course covers: root finding for non-linear equations, numerical integration, and numerical methods for ordinary differential equations, interpolation theory, and approximation  | (3)<br>As Resources Permit |

functions. The course makes use of numerical software libraries. Prerequisite: Grades of C or better in MA205, MA302, and MA375.

## MILITARY SCIENCE (MSL)

**Leadership laboratory is required for scholarship and contracted cadets.**

**MSL101 (2)  
LEADERSHIP AND PERSONAL  
DEVELOPMENT F**

This course introduces students to the personal challenges and competencies that are critical for effective leadership. Students will learn how the personal development of life skills such as goal setting, time management, physical fitness, and stress management relate to leadership, officership, and the Army profession. The focus is on developing basic knowledge and comprehension of Army leadership dimensions while gaining a big picture understanding of the ROTC program, its purpose in the Army, and its advantages for the student. Requires leadership labs, participation in ROTC physical fitness program, and a weekend field training exercise. Prerequisite: Full-time student

**MSL102 (2)  
INTRODUCTION TO TACTICAL  
LEADERSHIP SP**

This course overviews leadership fundamentals; such as setting direction, problem-solving, listening, presenting briefs, providing feedback, and using effective writing skills. Students will explore dimensions of leadership values, attributes, skills, and actions in the context of practical, hands-on, and interactive exercises. Requires leadership labs, participation in ROTC physical fitness program, and a weekend field training exercise. Prerequisite: MSL101 or instructor consent.

**MSL/PE119 (3)  
LEADERSHIP IN PHYSICAL  
CONDITIONING FA/SP**

Military conditioning with emphasis on leadership and leading small groups designed to progressively increase student physical fitness using U.S. Army physical conditioning methods and standards. This course is offered to all UOG students with no commitment to the Army ROTC program. Course will primarily be ability group oriented with emphasis on physical fitness goals and demonstrated abilities to lead physical training activities.

**MSL201 (2)  
INNOVATIVE TEAM LEADERSHIP F**

This course explores the dimensions of creative and innovative tactical leadership strategies and styles by examining team dynamics and two historical leadership theories that form the basis of the Army leadership framework. Aspects of personal motivation and team building are practiced planning, executing and assessing team exercises and participating in leadership labs. Requires leadership lab, participation in ROTC physical fitness program and a weekend field training exercise. Prerequisite: MSL101, 102 or instructor consent.

**MSL202 (2)  
FOUNDATIONS OF TACTICAL  
LEADERSHIP SP**

This course examines the challenges of leading tactical teams in the complex contemporary operating environment (COE) and highlights dimensions of terrain analysis, patrolling, and operation orders. Continued study of the theoretical basis of the Army leadership framework explores the dynamics of adaptive leadership in the context of military operations. Requires leadership lab, participation in ROTC physical fitness and a weekend field training exercise. Prerequisite: MSL101, 102, 201 or instructor consent.

**MSL211 (3)  
LAND NAVIGATION AND MAP READING F**

Principles of land navigation and orienteering with practical field applications. Prerequisites: MSL101, MSL102, MSL201, MSL202

**MSL251 (2)  
RANGER CHALLENGE TRAINING F**

The Ranger Challenge training is a pass/fail course for any currently enrolled ROTC cadet. This course will challenge students to be proficient in military tactical skills while improving their physical fitness. This course will also instill confidence and challenge students to participate in the Ranger Challenge competition. Weekend training may be required. Travel lodging and meals for off-island competition provided at government expense. Prerequisite: Enrolled in ROTC program and instructor's consent.

**MSL252 (2)  
PREPARATION FOR LEADER'S  
TRAINING COURSE (LTC) SP**

The preparation training for LTC is a pass/fail course. Students will develop their leadership and basic military skills while improving their physical fitness level in preparation for the Leader's Training Course. This course is designed to increase self-confidence through group training and activities. Weekend training may be required. Prerequisite: Instructor Consent.

**MSL292 (6)  
LEADER'S TRAINING COURSE SU**

A 28 day training course conducted at Ft. Knox, Kentucky. Completion of MSL 292 qualifies a student for entry into the Advanced Course. Students at this pass/fail course are given instruction on basic soldiering skills, as well as basic leadership training evaluation. Travel, meals and lodging provided at government expense. Prerequisite: Professor of Military Science (PMS) approval.

**MSL298 (6)  
CADET PROFESSIONAL  
DEVELOPMENT TRAINING (CPDT) SP/SU**

The CPDT program supplements campus training with practical leader development experiences and some additional skill identifier awarding courses. This is a Pass/Fail course only. Cadets train in Army schools with Active and Reserve units. Examples include Basic Airborne Course, Air Assault School, Mountain Warfare School, Nurse Summer Training Program, and Cadet Troop Leader Training. Travel, meals and lodging are provided at government expense. Prerequisite: PMS consent.



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| <b>MSL299</b><br><b>INDIVIDUAL LEADERSHIP STUDIES</b><br>Directed reading and research in a military science related areas of concentration in this pass/fail course. Students select materials based on instructor approval. A maximum of three (3) credits can be applied to the minor requirements in this course series. Prerequisite: MSL101, MSL102 or instructor consent.  | (3)<br>FA/SP | provided at no expense to student. The U.S. Army defrays most of meal costs. Prerequisite: MSL302, and PMS approval.   |
| <b>MSL301</b><br><b>ADAPTIVE TEAM LEADERSHIP</b><br>Students will study, practice, and evaluate adaptive team leadership skills as they are presented with the demands of the ROTC Leader Development and Assessment Course (LDAC). Challenging scenarios related to small unit tactical operations are used to develop self awareness and critical thinking skills. Students will receive systematic and specific feedback on their leadership abilities. Requires leadership lab, participation in ROTC physical fitness program, and weekend field training exercises. Prerequisite: Junior standing and PMS approval.   | (3)<br>F     | <b>MSL398</b><br><b>CADET PROFESSIONAL DEVELOPMENT TRAINING (CPDT)</b><br>The CPDT program supplements campus training with practical leader development experiences and some additional skill identifier awarding courses. This is a pass/fail course only. Cadets train in Army schools with Active and Reserve units. Examples include Basic Airborne Course, Air Assault School, Mountain Warfare School, Nurse Summer Training Program, and Cadet Troop Leader Training. Travel, meals and lodging are provided at government expense. Prerequisite: PMS consent. |
| <b>MSL302</b><br><b>LEADERSHIP IN CHANGING ENVIRONMENTS</b><br>Students will further study, practice, and evaluate adaptive leadership skills as they are presented with the demands of the ROTC Leader Development Assessment Course (LDAC). Challenging scenarios related to small unit tactical operations are used to develop self awareness and critical thinking skills. Students will receive systematic and specific feedback on your leadership abilities. Requires leadership labs, participation in ROTC physical fitness program, and weekend field training exercises. Prerequisite: MSL 301 and PMS consent.  | (3)<br>SP    | <b>MSL399</b><br><b>INDEPENDENT READINGS</b><br>Directed reading and research in a military science related area of concentration in this pass/fail course. Student select materials based on instructor approval. A maximum of three (3) credits can be applied to the minor requirements in this course series. Prerequisite: PMS consent.   |
| <b>MSL351</b><br><b>RANGER CHALLENGE LEADERSHIP COURSE</b><br>The Ranger Challenge Leadership Course is a pass/fail course for any currently enrolled ROTC cadet. This course will challenge students to be proficient in military tactical skills while improving their physical fitness. Students at this level will serve in the leadership chain to junior MSL251 students. This course will also instill confidence and challenge students to participate in the Ranger Challenge competition. Weekend training may be required. Travel, lodging and meals for off-island competition provided at government expense. Prerequisite: Enrolled in ROTC program and instructor's consent.             | (2)<br>F     | <b>MSL401</b><br><b>DEVELOPING ADAPTIVE LEADERS</b><br>This course develops student proficiency in planning, executing, and assessing complex operations, functioning as a member of a staff, and providing performance feedback to subordinates. Students are given situational opportunities to assess risk, make ethical processes prepare students to make the transition to becoming Army officers. Requires leadership lab, participation in ROTC physical fitness program, and weekend field training exercises. Prerequisite: MSL392 and PMS approval.         |
| <b>MSL392</b><br><b>LEADER DEVELOPMENT AND ASSESSMENT COURSE (LDAC)</b><br>A 33 day long leadership course conducted at Ft. Lewis, WA. The environment is highly structured and demanding, both physically and mentally. Students are assigned leadership positions at small unit levels under varying and challenging conditions. Individual leadership and basic skills are evaluated throughout the course. Although this course is graded on a pass/fail basis, evaluations from the course weigh heavily in the selection process that determines the type of commission and job opportunities available to the student upon graduation and completion of the ROTC program. Travel and lodging are | (6)<br>SU    | <b>MSL402</b><br><b>LEADERSHIP IN A COMPLEX WORLD</b><br>This course explores the dynamics of leading in the complex situations of current military operations in the contemporary operating environment (COE). Students also explore aspects of interacting with non-government organization, civilians on the battlefield, and host nation support. Requires leadership lab, participation in ROTC physical fitness program and weekend field training exercises. Prerequisite: MSL401 and PMS consent.  |
|   |              | <b>MSL/PS404</b><br><b>ISSUES IN DEFENSE AND NATIONAL SECURITY</b><br>This course discusses the use of force in international relations and preservation of domestic security, including nuclear deterrence, terrorism, and overseas projection of military power, emphasizing the role of Micronesia in the global and regional security perspective. Prerequisite: PS215 or consent of instructor.   |



## MODERN LANGUAGES

**CM101** (4)  
**ELEMENTARY CHAMORRO** F/SP  
This is a beginning course with emphasis on oral-aural competency.

**CM102** (4)  
**ELEMENTARY CHAMORRO II** SP  
This is a continuation of CM101. Emphasis is on improving and adding to the oral-aural competency gained in CM101. Reading in the Chamorro language is also introduced, and more complex language structures and concepts are taught. Prerequisite: CM101; two-year high school Chamorro, or consent of instructor.

**CM201** (4)  
**INTERMEDIATE CHAMORRO I** F  
This is an intermediate level Chamorro language course, which continues the oral-aural development of CM101 and CM102. Vocabulary development and expansion continues; however, the primary emphasis is on comprehending and utilizing more complicated language structures in the Chamorro language, as well as application and usage of the numerous affixation processes. Reading comprehension and reading skills are introduced. Prerequisite: CM102, or consent of instructor.

**CM202** (4)  
**INTERMEDIATE CHAMORRO II** SP  
CM202 is the second semester, second year Chamorro course, which is a continuation of CM201 Intermediate Chamorro I. Vocabulary development and expansion continues in four designated specialized areas; however, the primary emphasis is on comprehending and utilizing more advanced language structures. Prerequisite: CM201

**CI101** (4)  
**ELEMENTARY CHINESE**  
**(MANDARIN I)** As Resources Permit  
This is a beginning course in Mandarin Chinese with emphasis on listening, speaking, writing and grammar.

**CI102** (4)  
**ELEMENTARY CHINESE**  
**(MANDARIN) II** As Resources Permit  
This course is a continuation of CI101. Emphasis is on improving on and adding to the oral-aural competency gained in CI101. Reading in the Chinese language are also stressed, and more complex language structures and concepts are taught. Prerequisite: CI102 or the equivalent skill level.

**CI201** (4)  
**INTERMEDIATE CHINESE**  
**(MANDARIN) I** As Resources Permit  
This is the third semester of Mandarin Chinese. Emphasis is placed on advanced conversation, reading, and writing. Prerequisite: CI101 and CI102 or the equivalent skill level.

**CI202** (4)  
**INTERMEDIATE CHINESE**  
**(MANDARIN) II** As Resources Permit  
This is the fourth semester of Mandarin Chinese. Emphasis is placed on advanced conversation, reading, and writing. Prerequisite: CI101, CI102, and CI201 or the equivalent skill level.

**CK101** (4)  
**CONVERSATIONAL**  
**CHUUKESE** As Resources Permit  
The purpose of this course is to teach basic conversational skills in Chuukese to students who begin the course with little or no formal training in the language.

**CK210** (4)  
**NEW CHUUKESE**  
**ORTHOGRAPHY** As Resources Permit  
The purpose of this course is to teach the Chuukese new orthography to students with some oral proficiency in the language. Students taking this course are taught to spell words uniformly based on the Chuukese dialect spoken by most Chuukese.

**FR101** (4)  
**ELEMENTARY FRENCH I** As Resources Permit  
This is a beginning course with emphasis on grammar, conversation, reading, and French culture.

**FR102** (4)  
**ELEMENTARY FRENCH II** As Resources Permit  
This is a continuation of FR 101. It introduces students to further basic language skills. Prerequisite: FR101 or equivalent.

**GN101** (4)  
**ELEMENTARY GERMAN I** As Resources Permit  
This course includes a systematic coverage of the essentials of German, teaching communication by oral and written drills, reading practice, and listening experience. Selected text provides an introduction to German history and culture.

**GN102** (4)  
**ELEMENTARY GERMAN II** As Resources Permit  
This is a continuation of GN101. It introduces students to further basic language skills. Prerequisite: GN101 or equivalent.

**JA101** (4)  
**ELEMENTARY JAPANESE I** F/SP  
This course provides beginners with basic skills in listening, speaking, reading and writing in Japanese. Special Emphasis is on oral-aural skills.

**JA102** (4)  
**ELEMENTARY JAPANESE II** F/SP  
This is a continuation of Elementary Japanese I with increasing emphasis on reading and writing skills. Prerequisite: JA101 with a grade of C or better or equivalent.



**JA105 (4)**  
**BUSINESS JAPANESE I As Resources Permit**  
 This is an alternative second semester course for Elementary Japanese, introducing the student to the vocabulary and practices peculiar to doing business with Japanese. This course (like JA102) completes the GE requirement in language. Language lab required. Prerequisite: JA101.

**JA106 (4)**  
**BUSINESS JAPANESE II As Resources Permit**  
 This is the continuation of Business Japanese I, introducing the student to the vocabulary and practices peculiar to doing business with Japanese. Prerequisite: JA185 or JA105.

**JA201 (4)**  
**INTERMEDIATE JAPANESE I F/Even Years**  
 This is a course continuing the development of oral-aural, reading and writing skills begun at the elementary level. Prerequisites: JA102 with a grade of C or better or equivalent, or demonstrated control of its content.

**JA202 (4)**  
**INTERMEDIATE JAPANESE II SP/Odd Years**  
 This is a course with emphasis on reading competency and further development of oral-aural skills. Prerequisite: JA201 with a grade of C or better or equivalent or demonstrated control of its content.

**JA215 (4)**  
**JAPANESE FOR TOURISM SP**  
 This course is designed to develop Japanese Language skills and cultural knowledge for the use in the tourism industry on Guam. (JA215 can be taken to replace Elementary Japanese II, JA 102, to satisfy general education requirements.) Prerequisites: JA101 with a grade of C or better or equivalent, or consent of instructor.

**JA301 (4)**  
**THIRD YEAR JAPANESE I F/Odd Years**  
 This course continues the emphasis on reading competency and further development of oral-aural skills. Pre-requisite: JA202 with a grade C or better or equivalent, or consent of instructor.

**JA302 (4)**  
**THIRD YEAR JAPANESE II SP/Even Years**  
 This is a continuation of Third Year Japanese I. Prerequisites: JA301 or demonstrated control of its content.

**JA401 (4)**  
**FOURTH YEAR JAPANESE I As Resources Permit**  
 This is a course with primary emphasis on reading authentic Japanese materials, i.e., newspapers, magazines, novels, rather than material developed for instructional purposes. Prerequisites: JA302 or demonstrated control of its content.

**JA402 (4)**  
**FOURTH YEAR JAPANESE II As Resources Permit**  
 This is a continuation of the reading of authentic Japanese materials. After completion of this course, the student should be able to read most Japanese publications. Prerequisites: JA401 or demonstrated control of its content.

**PN101 (4)**  
**CONVERSATIONAL POHNPENIAN As Resources Permit**  
 The purpose of this course is to teach basic conversational skills in Pohnpeian to students who begin the course with little or no formal training in the language.

**SN101 (4)**  
**ELEMENTARY SPANISH I F/SP**  
 This is a beginning course with emphasis on grammar, conversation, reading, and Spanish culture.

**SN102 (4)**  
**ELEMENTARY SPANISH II F/SP**  
 This is a continuation of SN101. It introduces students to further basic language skills. Prerequisite: SN101 or equivalent.

**TA101 (4)**  
**CONVERSATIONAL TAGALOG F/SP**  
 This is a beginning course, with emphasis on grammar, conversation, reading, writing and Tagalog culture.

**TA102 (4)**  
**CONVERSATIONAL TAGALOG II SP**  
 This course is a continuation of TA101. Further skills on grammar, conversation, and reading of Tagalog are covered.

**TA186 (4)**  
**TAGALOG LANGUAGE WORKSHOP IN THE PHILIPPINES As Resources Permit**  
 This is a travel course that builds on skills development in Tagalog 101, with emphasis on conversation, grammar, reading and writing of Tagalog, along with an emphasis on learning and understanding Philippines culture and history. Prerequisite: TA101 and Consent of Instructor.

**MUSIC (MU)**

**MU101 (3)**  
**MUSIC FUNDAMENTALS F/SP**  
 This course is an applied introduction to the fundamental elements of music. Students learn the basics of music reading, dictation, composition and score familiarization in this studio course through project work. Western musical literature and its instruments are surveyed.

**MU102 (3)**  
**WORLD MUSIC F**  
 This course is an exploration into the music of various cultures of the world. A vast array of music will be heard from all continents except Antarctica. No previous music experience or music reading ability is necessary. There are no Prerequisites.

**MU104 (1)**  
**UNIVERSITY SINGERS F/SP**  
 This is an auditioned mixed chorus with previous experience required. The goal is the preparation and performance of a wide variety of choral literature. Vocal technique, sight reading, and music theory appropriate to choral music are taught. Prerequisite: audition. This course may be repeated for credit.



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| <b>MU105</b><br><b>BAND</b><br>This is an auditioned instrumental ensemble with previous instrumental study and performance experience required. The goal is the study, preparation, and performance of standard instrumental ensemble literature. It may be repeated for credit. Prerequisite: audition and consent of instructor.   | (1)<br>F/SP          | <b>MU171</b><br><b>EAR TRAINING II</b><br>This course is designed to improve music aural comprehension for music majors and minors. Ear Training II is predominantly concerned with the recognition of 7 <sup>th</sup> and 9 <sup>th</sup> chords, complex rhythms, melodic and chord transcriptions and advanced sight singing. Computer software will be used as part of the training. Instructor's permission required or successful completion of MU170 Ear Training I. | (2)<br>SP             |
| <b>MU106</b><br><b>INTRODUCTION TO MUSIC</b><br>This course is an introduction to perceptive listening covering musicians and styles of music from the Middle Ages to the present day. It is designed primarily for the general education program.  | (3)<br>F/SP          | <b>MU202</b><br><b>APPLIED MUSIC</b><br>This course consists of individual instruction in piano, voice, or other musical instrument. It may be repeated for credit. Prerequisite: Previous study of an instrument or voice, or consent of instructor. Audition is required.   | (2)<br>F/SP           |
| <b>MU110</b><br><b>CLASS VOICE</b><br>This is an introductory course in singing. The fundamentals of vocal technique which apply to most styles of singing are taught. Music reading appropriate for the singer is also emphasized. It is recommended that MU104 or MU304 be taken concurrently.  | (1)<br>F/SP          | <b>MU260</b><br><b>MUSIC THEORY III</b><br>A continuation of MU161, this course covers even secondary dominant chords, secondary leading tone chords, modulations, binary and ternary forms, mode mixture, the Neapolitan chord, augmented sixth chords and part writing. Prerequisite: Completion of MU161 with a "C" or better or consent of instructor.  | (2)<br>F/Even Years   |
| <b>MU121</b><br><b>BEGINNING CLASS PIANO</b><br>This is the study of basic piano techniques and music fundamentals.   | (2)<br>F/SP          | <b>MU261</b><br><b>MUSIC THEORY IV</b><br>A continuation of MU260, this course covers enharmonic spellings and modulations, ninth, eleventh and thirteenth chords, twentieth century practices, set theory, serialism, aleatoric and electronic music. Prerequisite: Completion of MU260 with a "C" or better or consent of instructor.   | (2)<br>SP/Odd Years   |
| <b>MU122</b><br><b>INTERMEDIATE CLASS PIANO</b><br>A continuation of MU121, this course covers additional piano techniques, sight reading skills and applied music theory. A variety of compositional styles is explored. Prerequisite: MU121 or consent of instructor.   | (2)<br>SP            | <b>MU302</b><br><b>INTERMEDIATE APPLIED MUSIC</b><br>A continuation of MU202, this course offers individual instruction in piano, voice, or other musical instrument. It may be repeated for credit. Prerequisite: MU202 or consent of instructor. Audition is required.  | (2)<br>F/SP           |
| <b>MU160</b><br><b>MUSIC THEORY I</b><br>This course is an introduction to elements of pitch and rhythm, triads and seventh chords, diatonic chords in major and minor keys, principles of voice leading, root position part writing, and harmonic progressions. Prerequisite: knowledge of music notation.   | (2)<br>SP/Odd Years  | <b>MU304</b><br><b>UPPER DIVISION UNIVERSITY SINGERS</b><br>This is a concurrent upper division continuation of MU104 UNIVERSITY SINGERS. It may be repeated for credit. Prerequisite: An audition and at least junior class standing.  | (1)<br>F/SP           |
| <b>MU161</b><br><b>MUSIC THEORY II</b><br>A continuation of MU 160, this course covers triads and seventh chords in inversion, cadences, phrases, period forms, non-chords tones, use of the dominant seventh chord and other diatonic seventh chords, and part writing using inversions. Prerequisite: Completion of MU160 with a "C" or better or consent of instructor.  | (2)<br>SP/Even Years | <b>MU305</b><br><b>UPPER DIVISION BAND</b><br>This is the study, preparation and performance of advanced instrumental ensemble literature. It may be repeated for credit. Prerequisite: MU105 or consent of instructor.   | (1)<br>F/SP           |
| <b>MU170</b><br><b>EAR TRAINING I</b><br>This course is designed to improve music aural comprehension for music majors and minors. Ear Training I is predominantly concerned with the recognition of all intervals, common scales and modes and all triads. Computer software is used as part of the training. Some rhythmic dictation and sight singing is also part of this course. Instructor's permission required. | (2)<br>F             | <b>MU306</b><br><b>SPECIAL TOPICS IN MUSIC</b><br>This course offers intensive study of a specific topic in Music. It may be repeated for credit, with transcript showing the topic studied, e.g., Piano Pedagogy, Music History. Prerequisite: MU101 or MU106.   | (1-3)<br>SP/Odd Years |



**MU310** (3)  
**MUSIC HISTORY I** F/Even Years  
This is a survey of masterpieces and composers of music from the Medieval Era through the Baroque Era. Prerequisite: MU161 or consent of instructor.

**MU311** (3)  
**MUSIC HISTORY II** SP/Odd Years  
This course is a survey of masterpieces and composers of music from 1750 to the present. Prerequisite: MU161 or consent of instructor.

**MU315** (3)  
**INSTRUMENTAL TECHNIQUES** F/Odd Years  
This course is an applied introduction to woodwind, brass and percussion instrumental playing techniques, instrument maintenance, history methodology, pedagogy, and literature for solo and ensemble experiences. This course is designed to prepare students planning to teach in public school music programs. Prerequisite: MU161 or consent of instructor.

**MU321** (3)  
**CONDUCTING** F  
The study and application of basic conducting skills are covered in this course. Prerequisite: MU161 or consent of instructor.

**MU402** (2)  
**SENIOR RECITAL** F/SP  
This course offers individual instruction of an instrument or voice which requires the preparation, study and performance of a public senior recital. The recital should consist of at least three style periods and should be approximately forty minutes in length. Prerequisite: MU302.

**NATURAL SCIENCE (NS)**

**NS101** (3)  
**INTRODUCTION TO PHYSICAL SCIENCE** As resources permit  
This is a survey course in Astronomy, Physics and Science Measurements. It consists of three hours of lecture per week. The lab, NS101L, MUST be taken concurrently. Prerequisite: MA085 Level II or equivalent. Co requisite: NS101L.

**NS101L** (1)  
**INTRODUCTION TO PHYSICAL SCIENCE LABORATORY** As resources permit  
NS101L is the laboratory portion of NS101 and MUST be taken concurrently. The course consists of one three-hour laboratory per week. Co requisite: NS101

**NS102** (3)  
**INTRODUCTION TO PHYSICAL SCIENCE** As resources permit  
This is a survey course in Geology, Chemistry, and Special Topics in Science. It consists of three hours of lecture per week. The lab, NS102L, MUST be taken concurrently. Prerequisite: MA085 Level II or equivalent. Co requisite: NS102L

**NS102L** (1)  
**INTRODUCTION TO PHYSICAL SCIENCE LABORATORY** As resources permit  
NS102L is the laboratory portion of NS102 and MUST be taken concurrently. The course consists of one three-hour laboratory per week. Co requisite: NS102

**NS110** (3)  
**INTRODUCTION TO THE EARTH** As resources permit  
This course is a basic study of the earth's minerals, rocks and natural resources and the processes, which have shaped the earth's surface such as sedimentation, mountain building, and erosion by water, wind, ice and downslope movements. Major focus is placed on the roles of volcanism, earthquakes, sea-floor spreading and paleomagnetism in explaining plate tectonic theory. The importance of geological hazards to man's activities is investigated. It consists of three hours of lecture per week. The lab, NS110L, MUST be taken concurrently. Co requisite: NS110L.

**NS110L** (1)  
**INTRODUCTION TO THE EARTH LABORATORY** As resources permit  
NS110L is the laboratory portion of NS110 and MUST be taken concurrently. The lab includes mineral and rock identification, modeling of Earth structures, interpretation of field sites, and map interpretation. The course consists of one three-hour lab/field trip per week. Co requisite: NS110

**NS112** (3)  
**HISTORY OF THE EARTH** As resources permit  
This course offers a fundamental view of the geologic history of the earth, including its origin, physical development, and evolution of life as revealed in the fossil record. Interrelationships between physical and biological events are stressed. Emphasis is placed on the principles and methods used by geologists to unravel earth history. The geologic history of the Mariana Arc and the western Pacific, associated with field trips on Guam, is included. It consists of three hours of lecture per week. The lab, NS112L, MUST be taken concurrently. Prerequisites: EN110. NS110-110L Introduction to the Earth is recommended. Co requisite: NS112L

**NS112L** (1)  
**HISTORY OF THE EARTH LABORATORY** As resources permit  
NS112L is the laboratory portion of NS112 and MUST be taken concurrently. The lab includes analysis of sedimentary environments, fossil identification, interpretation of field sites, and geologic map interpretation. The course consists of one three-hour lab/field trip per week. Co requisite: NS112

**NS230** (3)  
**INTRODUCTION TO ASTRONOMY** As resources permit  
This introduction to astronomy covers topics relating to the solar system, the galaxy, stellar evolution, and cosmology. It consists of three hours of lecture per week. The lab, NS230L, MUST be taken concurrently. Prerequisite: MA110.



**NS230L** (1)  
**INTRODUCTION TO ASTRONOMY  
LABORATORY** As resources permit  
NS230L is the laboratory portion of NS230 and MUST be taken concurrently. The course consists of one three-hour laboratory period per week. Co requisite: NS230.

**NS330** (4)  
**METEOROLOGY** As resources permit  
This is a course in atmospheric phenomena, methods and investigation, some of the methods of obtaining data and predictive weather, and an introduction to possible means of weather control. It consists of three hours of lecture per week. The lab, NS330L, MUST be taken concurrently. Prerequisite: One year of university level physical science drawn from courses in chemistry and/or physics or consent of instructor. Co requisite: NS330L

**NS330L** (1)  
**METEOROLOGY LABORATORY** As resources permit  
NS330L is the laboratory portion of NS330 and MUST be taken concurrently. The course consists of one three-hour laboratory period per week. Co requisite: NS330

**NS355** (3)  
**TOPICS IN GEOLOGY** As resources permit  
This course offers studies of selected topics in advanced geology, such as environmental geology, structures and plate tectonics, mineralogy, petrology, hydrology etc. With different subject matter, this course may be repeated for credit. The course involves three hours of classroom study per week. The lab, NS355L, MUST be taken concurrently for some topics, to be specified. Prerequisites: NS110-110L or NS112-112L or consent of instructor. Co requisite: NS355L (for some topics)

**NS355L** (1)  
**TOPICS IN GEOLOGY  
LABORATORY** As resources permit  
NS355L is the laboratory portion of NS355 and MUST be taken concurrently for some topics. The course consists of one three-hour laboratory/field trip per week. Co requisite: NS355

**NS/AG 380** (4)  
**PRINCIPLES OF SOIL SCIENCE** F  
This course delves into the basic principles of the fundamentals of the chemical, physical, and biological properties of soils; their formation, fertility, and management, and the effects of inorganic and organic chemicals on soil processes and properties as they relate to environmental pollution. Two hours of lecture, one hour recitation and three hours laboratory weekly. Prerequisites: MA110 or higher and any two chemistry courses.

**NS/CH392** (1-3)  
**LABORATORY TEACHING  
AND ASSISTING** As resources permit  
This course provides for practical educational experience in undergraduate course laboratories. It may be taken more than once for credit. Prerequisites: Completion of the course in which the laboratory is offered, or of an equivalent course and consent of instructor.

**NS491** (1)  
**SEMINAR** As resources permit  
This course is based on discussion of current problems, discoveries, and trends in the physical sciences, based primarily on student reviews of pertinent literature. May be taken more than once for credit with consent of program faculty. Prerequisite: Upper division standing and consent of program faculty.

**NS495** (3)  
**SENIOR THESIS** As resources permit  
This course offers preparation of a thesis based on field and/or laboratory investigation of a subject chosen by the student from the physical sciences and approved by the Physical Science faculty. Although the thesis shall emphasize physical science, it may be interdisciplinary and involve engineering, biology, geography, etc. It is generally undertaken in the senior year but may be started in the junior year. Eligibility for this course is based on consultation with the faculty advisor. An oral presentation by the student is also required.

**NURSING (NU)**

**NU112** (2)  
**MEDICAL TERMINOLOGY** F/SP/SU  
This course introduces prefixes, suffixes, and root words used in medical language. A basic understanding of the language used in medicine and nursing will enable the health care professional or community member to communicate more effectively and efficiently with other members of the health professions. Analysis, spelling, pronunciation, and application of medical terms and abbreviations will be emphasized. This course is open to nursing majors as well as non-nursing majors. It may also be taken by restricted students.

**NU200B** (3)  
**COMMUNICATION AND MENTAL  
HEALTH CONCEPTS** F  
This course introduces students to basic nursing concepts and the nursing process as applied to the individual client. Students learn the role necessary to attain and maintain health. Prerequisites: California Reading Test at 12<sup>th</sup> Grade Level or Greater, AN101 or SO101, BI124-124L, BI125-125L, CH100-100L, CH101-101L, CO210, EN111, PY101, Math GE, acceptance to the pre-nursing level, and consent of instructor. Co requisite: NU214, BI225 with lab, ED201.

**NU202B** (4)  
**FUNDAMENTALS OF NURSING** SP  
This course introduces students to basic nursing concepts and the nursing process as applied to the care of individual clients. Students learn the role of the nurse as provider of care and basic skills necessary to attain and maintain health. Prerequisites: NU200B, NU214, BI225-I225L, ED201 and consent of instructor. Co requisites: NU203B, NU204B, NU205B, NU207B and CF231.



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| <b>NU203B</b> (4)<br><b>FUNDAMENTALS OF NURSING PRACTICUM</b> SP<br>This course applies the nursing process to the care of individual clients. Students demonstrate the role of provider of care and apply basic skills necessary to attain and maintain health in the clinical setting. Prerequisites: NU200B, NU214, BI225-225L, ED201 and consent of instructor. Co requisite: NU202B, NU204B, NU205B and NU207B and consent of instructor.  | <b>NU300S</b> (3)<br><b>COMMUNICATION AND MENTAL HEALTH CONCEPTS</b> F<br>This course focuses on establishing helping relationships through self-awareness, self-responsibility, and communication skills. Students apply theories of the emotions, crisis, stress, cultural diversity, and caring to client care. Prerequisites: AN101 or SO101, CO210, EN111, PY101, admission to the second-step BSN program, and consent of instructor. Co requisite: EN201.   |
| <b>NU204B</b> (2)<br><b>HEALTH ASSESSMENT</b> SP<br>This course focuses on assessment, which is the first step of the nursing process. Students learn and practice skills and techniques to assess physical, psychosocial, cultural, spiritual and developmental variables in well clients across the lifespan. Prerequisite: NU200B, NU214 ED201, BI225-225L or consent of instructor. Co requisite: NU202B, NU203B, NU205B and NU207B.  | <b>NU302B</b> (6)<br><b>ADULT HEALTH NURSING</b> F<br>This course focuses on interventions that restore and maintain health in the adult client system. The physiologic alterations discussed include physiological, sociocultural, spiritual, and developmental functions. This course will focus on medical-surgical nursing, specifically the care of the client with diseases of the respiratory, cardiac, hematology, renal, and musculoskeletal systems, and the client experiencing chronic illness, peri-operative nursing, and cancer. Prerequisites: CF231, NU202B, NU203B, NU204B, NU205B, NU207B, and consent of instructor. Co requisites: NU303B and NU310 or consent of instructor. |
| <b>NU205B</b> (1)<br><b>HEALTH ASSESSMENT PRACTICUM</b> SP<br>This course focuses on the laboratory and practicum component of NU204B. Students apply assessment techniques within the laboratory or clinical settings. This course is taken concurrently with NU204B or with consent of instructor. Prerequisite: NU200B, NU214 ED201, BI225-225L or consent of instructor. Co requisite: NU202B, NU203B, NU204B and NU207B.   | <b>NU303B</b> (4)<br><b>ADULT HEALTH PRACTICUM I</b> F<br>This course provides opportunities for the student to focus on the client with diseases presented in NU302B. Students provide care for the adult client system in an acute care setting. Prerequisites: CF231, NU202B, NU203B, NU204B, NU205B, NU207B, and consent of instructor. Co-Requisite: NU302B and NU310.  |
| <b>NU207B</b> (2)<br><b>PHARMACOLOGY IN NURSING</b> SP<br>This course presents the basic concepts of medication usage, dosage computations, and medication administration skills. The use of the nursing process when administering medications is presented. Prerequisites: BI225-225L, ED201, NU200B, NU214 and consent of instructor. Co requisite: NU202B, NU203B, NU204B and NU205B.   | <b>NU304B</b> (6)<br><b>FAMILY HEALTH NURSING</b> SP<br>This course focuses on contemporary concepts and theories about families. Students will apply the nursing process in the study of primary interventions and health promotion with continued consideration of secondary and tertiary interventions. Emphasis is on child bearing and child rearing families. Prerequisites: NU302B, NU303B, NU310 Co requisites: NU305B or consent of instructor.   |
| <b>NU212</b> (3)<br><b>EMPOWERMENT STRATEGIES FOR NURSING STUDENTS</b> F/SP<br>This course focuses upon empowerment strategies for college success, with an emphasis on particular skills and techniques critical to growth and success in the nursing curriculum. Students learn in-depth skills related to study habits, time management, stress management, and assertive communication, and are expected to apply this knowledge to nursing and other college courses. Students will have the opportunity to determine their individual learning goals and implement a plan to meet these goals. This course is open to pre-nursing majors and nursing majors. It may also be taken by restricted students. | <b>NU305B</b> (4)<br><b>FAMILY HEALTH NURSING PRACTICUM</b> SP<br>This course focuses on the application of contemporary concepts and theories about families. Students apply the nursing process in provision of primary nursing interventions. Clinical experiences are in a variety of community and/or acute care settings with childrearing families. Prerequisites: NU302B, NU303B, NU310 Co requisites: NU304B, or consent of instructor.   |
| <b>NU214</b> (1)<br><b>DOSAGE CALCULATION</b> F/SP, as resources permit<br>This course focuses on methods of calculating dosages for various drug forms and routes of administration, verifying accuracy of calculations and determining applicability of calculated dosages to route of administration and modes of delivering medications. Prerequisites: EN111, Math GE and consent of instructor. Co requisite: NU200B, BI225-225L, and ED201.  | <b>NU306S</b> (2)<br><b>HEALTH ASSESSMENT</b> SP<br>This course focuses on assessment, which is the first step of the nursing process. Students learn and practice skills and techniques to assess physical, psychosocial, cultural, spiritual, and developmental variables in well clients across the lifespan. Prerequisites: Enrollment in the Second-Step BSN program track, or RN/GN with consent of instructor. Co requisite:  |



NU307S, NU324S, NU325S or RN/GN employed in a clinical setting.

**NU307S (1)  
HEALTH ASSESSMENT PRACTICUM SP**

This course focuses on the laboratory and practicum component of NU306S. Students apply assessment techniques within the laboratory and clinical settings. This course consist of one (1) laboratory and two (2) practicum hours per week, taken concurrently with NU306S or with consent of instructor. Prerequisite: Enrollment in the Second-Step BSN program track, or RN/GN with consent of instructor. Prerequisite: Co requisite: NU306S, NU324S, NU325S, or RN/GN employed in a clinical setting.

**NU308 (3)  
PSYCHIATRIC MENTAL HEALTH NURSING F**

This course focuses on the use of the nursing process to foster mental health with individuals, families and groups exhibiting maladaptive behavior. Emphasis is on secondary and tertiary intervention in institutional and community settings using therapeutic communication, group therapy, and other modalities in collaboration with other care providers. Prerequisites: NU302B, NU303B, NU304B, NU305B, or NU324S, NU325S or instructor permission. Co requisites: NU309, NU412, NU403, NU416 or instructor permission.

**NU309 (2)  
PSYCHIATRIC NURSING PRACTICUM F**

This course focuses on application of the nursing process to address community health and psychiatric mental health. Emphasis is on primary, secondary, and tertiary intervention in institutional and community settings. Prerequisites: NU302B, NU303B, NU304B, NU305B, or NU324S, NU325S or instructor permission. Co requisites: NU308, NU412, NU403, NU416 or instructor permission.

**NU310 (3)  
PATHOPHYSIOLOGY F**

This course explores the basic physiologic mechanism of disease across the lifespan. Major pathophysiology concepts, with emphasis on assessment and analysis, pertinent to clients with an illness are presented. The focus of this course will be chronic illness, cancer, and diseases of the respiratory, cardiac, hematologic, renal, and musculoskeletal systems. Prerequisites: for Generic Program: NU202B, NU203B, NU204B, NU205B, NU207B. SSBSN: Completion of basic nursing program, 6-8 Chemistry credits with lab, 6-8 Anatomy and physiology credits with lab, Microbiology with lab, AN101 or SO101, PY101, EN111, ED201, CO210 or permission of instructor.

**NU324S (3)  
PROFESSIONAL NURSING SP**

This course serves as the transition or bridge course for the registered or graduate nurse to integrate previous nursing education with the philosophy of baccalaureate nursing education. The emphasis is on the synthesis of nursing concepts and the nursing process within a theoretical base. In addition, this course serves to update the RN/graduate nurse student on current issues in practice, health care management, as well as ethical/legal and other professional issues. Prerequisites:

EN111, Chemistry 6-8 credits with lab, Anatomy and Physiology 6-8 credits with lab, microbiology with lab, CF231, and NU300S or equivalent. Co requisites: NU306S, NU307B, NU325S.

**NU325S (3)  
PROFESSIONAL NURSING PRACTICUM SP**

This course is the clinical component for the professional application of the nursing process and nursing theory course. The nurse develops her/his experience to meet individual professional goals. Each student follows one or more families as a client system for the experience of assessing intrapersonal, interpersonal, and extra personal stressors and implementing primary, secondary and/or tertiary interventions. Prerequisites: Chemistry with lab, Anatomy and Physiology with lab, microbiology with lab, CF231 and NU300S. Co requisites: NU306S, NU307B, NU324S.

**NU326 (2)  
NURSING MANAGEMENT SP**

This course focuses on issues and trends within the healthcare system, including management and leadership styles. This course also covers professional development, ethical/legal situations, community resources, local and federal policies and licensure relevant to a beginning nurse. Prerequisite: NU310. Co requisites: NU302B, NU303B, NU304B, NU305B or consent of instructor

**NU/AN/SO344 (3)  
AGING: MYTH & REALITIES F**

This course explores major issues and concepts pertinent to the study of the aging process (gerontology). The prevailing theories of the social/biological aging process and the economics, physical and psychological problems that might arise in late life are presented. Students learn how these factors impinge on the well-being of the older person and the social structure of a community. Aging as it occurs in different societies and throughout history is discussed. Social myths and stereotypes are explored. An overview of existing aging policies and special programs for the older population is included, as is a section on dying, death and grieving.

**NU403 (3)  
COMMUNITY HEALTH NURSING PRACTICUM F**

This course focuses on application of the nursing process to address community health and psychiatric mental health. Emphasis is on primary, secondary, and tertiary intervention in institutional and community settings. Prerequisites: NU302B, NU303B, NU304B, NU305B, NU310 or NU324S, and NU325S or instructor permission. Co requisites: NU308, NU309, NU412, NU416 or instructor permission.

**NU412 (3)  
COMMUNITY HEALTH NURSING F**

This course presents principles of community health nursing. The focus is on primary, secondary, and tertiary interventions for client systems including individuals, families, aggregates and communities. Health care policy issues and political strategies are also addressed. Prerequisites: NU302B, NU303B, NU304B, NU305B, NU310, or NU324S and NU325S, or instructor



permission. Co requisite: NU308, NU309, NU403, NU416, or instructor permission.

## PUBLIC ADMINISTRATION (PA)

**NU415 (3)**  
**INDEPENDENT NURSING PRACTICUM SP**

This course provides practice in a specialty area of the student's choice. The student functions in the role of a beginning practitioner with supervision and guidance faculty and an expert nurse preceptor. Prerequisites: NU403, NU412, NU416. Co requisite: NU418, NU419, NU420.

**NU/HS416 (3)**  
**RESEARCH IN NURSING AND HEALTH SCIENCES F**

This course focuses on the research process and the use of research in nursing. The roles of the consumer of research, critical thinker, and leader in professional nursing are integrated through the use of the research process. Prerequisites: MA151 and NU302B, NU303B, NU304B, NU305B, NU310 or NU324S, and NU325S or instructor permission. Co requisites: NU308, NU309, NU412, NU403, or instructor permission.

**NU418 (3)**  
**LEADERSHIP IN NURSING SP**

This course focuses on the nurse's role as leader and manager of client care within an organizational structure. Students and faculty will discuss the application of leadership and management theory in the practice setting. Prerequisites: NU403, NU412 and NU416. Nurses in practice/leadership positions can take this course without being enrolled in the nursing program. Co requisites: NU415, NU419, NU420

**NU419 (1)**  
**LEADERSHIP IN NURSING PRACTICUM SP**

This practicum course provides an opportunity for the student to apply leadership and management theory in a selected practice situation. Prerequisites: NU412, NU403, and NU416. Nurses in practice/leadership positions can take this course without being enrolled in the nursing program. Co requisite: NU418, NU420, NU415.

**NU420 (2)**  
**TRENDS IN NURSING SP**

This course includes a comprehensive study of the major historical, social, political, and educational changes that have influenced the practice of nursing, nursing education, and health care. The focus of this course is on the ethical and legal problems affecting nursing care. Building from this overview, the students are prepared to meet the challenge of the rapidly changing environment in which nurse's practice. Prerequisites: NU403, NU412, and NU416. Co requisites: NU415, NU418, NU419.

**PA201 (3)**  
**PUBLIC ADMINISTRATION IN GUAM AND IN THE WESTERN PACIFIC F/SP**

This course examines the historical context of Public Administration institutions in Guam and in the Western Pacific and applies the concepts of efficiency, economy and effectiveness of the study, design and delivery of island public services. The course also examines public administration approaches, methods and techniques which can (a) contribute to a strengthening of managerial capacity and capability among government institutions in Guam and in the Western Pacific, and (b) improve and enhance the overall quality and accessibility of island public services. The course is designed to better prepare present and future public administrators for the challenges they face or will encounter in the public administration profession in Guam and in the Western Pacific.

**PA206 (3)**  
**PUBLIC HEALTH AND DISEASE MANAGEMENT F**

This course is an introduction to the history of public/private health care and the establishment of the present-day health care system. The class is designed to teach the conceptual difference between health and disease, wellness and sickness, and their changing pattern. Local and federal laws, policies, rules and regulations for the provision of physical and mental health, and social services are explored and analyzed. Special emphasis is placed on the ethical issues of health and social care.

**PA207 (3)**  
**ADMINISTRATION OF HEALTH CARE SERVICES F**

The course introduces the student to the management of contemporary health care and social services systems. It examines the structure and function of health care and social services institutions, including the historical developments and the political, economic, and socio-cultural issues that molded them. This knowledge is integrated into the organizational environment and dynamics of the local institutions and helps with the examination of their management practices. Various management styles and their effectiveness are analyzed and discussed.

**PA210 (3)**  
**PUBLIC ADMINISTRATION AND MANAGEMENT: CONCEPTS AND APPLICATIONS F/SP**

This course covers the functioning of public administration and management in government structures; the history and environment of public administration and management in the U. S. and in the Government of Guam; the development and application of concepts, principles, and techniques of public administration and management in the public sector; and problems, issues, needs, achievements in public administration and management.



**PA215 (3)**  
**SUPERVISION IN GOVERNMENT ORGANIZATIONS F/SP**

This course examines the operations and structure of government organizations from a supervision point of view. The course instructs students in critical supervisory theories, techniques and skills necessary for attaining superior results and accountability in government and not-for-profit organizations. The course is designed to assist students in becoming effective supervisors in public organizations and presents supervisory concepts organized around various functions such as planning, organizing, directing and controlling. The course equips Public Administration, Criminal Justice and other students with the supervisory skills they will need for growth of professional competence in the public service.

**PA233 (3)**  
**IMPACT OF GOVERNMENT REGULATORY ADMINISTRATION ON BUSINESS F/SP**

This course offers an overview and rationale of public policies and administrative regulations as applied to the private sector, analysis and implementation of public policies/regulations; substantive, methodological and practical problems and issues of public policies and regulatory administration toward business by Federal, State and Local government, and governments in the Asian-Pacific region.

**PA303 (3)**  
**GOVERNMENT FINANCE F**

This is a survey of public financial administration; the budgetary process; the budget as an instrument of fiscal policy; sources of revenue; the procurement function; financial planning; and control.

**PA304 (3)**  
**GOVERNMENT PUBLIC INFORMATION SP**

This course covers the basic principles underlying public information and public relations activity and community relations practices of government; rudiments of techniques used in public information activity and public and community relations practices of government in dealing with the citizenry.

**PA305 (3)**  
**DATA ANALYSIS IN PUBLIC ADMINISTRATION F/SP**

This course provides students with basic research tools used in of public administration, criminal Justice, and other applied fields. Emphasis is given to data collection, analysis, and interpretation skills. Major topics include research methods and techniques to study planning, organizing, staffing, directing, reporting and budgeting. Applied policy research is the consistent theme for this course. Prerequisites: BA130

**PA306 (3)**  
**HEALTH CARE PLANNING AND EVALUATION SP**

This course is designed to teach the fundamental techniques, methodologies and political constraints of population-based planning for human services, with an emphasis on health. It explores the origins and purpose of planning and the planning process as a means of implementing social change. Existing planning policies are presented and analyzed with the objective

of formulating an outline for a health or social plan for the community. Special emphasis is placed on the evaluation process. A local, national and international perspective of health and social planning is utilized in teaching this course.

**PA307 (3)**  
**THE ECONOMICS OF HEALTH CARE SP**

This course investigates the system of economics and the application of classical and modern economic theories to the health care field and social services organizations. During the course students investigate the decision-making processes as they relate to financial health and social care resources management. The student also learns the nature and interpretation of financial reports.

**PA/AG401 (3)**  
**COMMUNITY PLANNING F/Odd Years**

This course is an introduction to community planning; relationships of physical form to environment, function, aesthetic principles, cultural values, planning as a synthesis of a frame of reference based on economics, political, social, cultural, physical, and administrative factors.

**PA402 (3)**  
**PUBLIC ADMINISTRATION AND PUBLIC POLICY F**

This is a study of administrative officials in governmental organizations with emphasis on their roles at the national, state, and local levels. Attention is given to governmental process; public controls upon administration; major concepts and issues regarding legislative-executive relations; structure and function of administrative organizations; and personnel and finance administration.

**PA403 (3)**  
**PUBLIC PERSONNEL ADMINISTRATION F**

This course covers the development and management of human resources; history of the Civil Service career system; training practices; human relations in supervision; philosophy and organization of public personnel administration.

**PA405 (3)**  
**LEADERSHIP ETHICS IN THE PROFESSIONS F/SP**

Issues and cases in professional leadership ethics in SBPA disciplines with case study examples from the United States, Guam, Asia and the Western Pacific provides the framework for the course. Codes of conduct, clientele and organizational relationships, legal requirements and professional accountability are studied with a leadership ethics emphasis for the public and private sector.

**PA420 (3)**  
**PUBLIC FINANCE AND FISCAL POLICY SP**

This course is a study of the manipulation of spending and tax revenue by governmental bodies in such a way as to affect the levels of output, employment, income, and prices in the economy; public financial administration; budgeting, procurement, planning, and control.



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**PA490 (3)**  
**SPECIAL PROJECT IN PUBLIC ADMINISTRATION** **As Required**  
 This special research course is intended to acquaint Criminal Justice and Public Administration majors with the contemporary principles and techniques of research in these disciplines. Students organize and participate in a major or research endeavor focusing on Criminal Justice/Public Administration topics dealing with Guam and the Asian-Pacific region.

**PA498 (3)**  
**PUBLIC ADMINISTRATION INTERNSHIP** **F/SP**  
 This course provides qualified students with the opportunity to gain experience in public and criminal justice administration. Students are placed in government agencies and related organizations and work under the supervision of a management official. Students must consult with the Internship Coordinator prior to enrolling.

**PHILOSOPHY (PI)**

**PI101 (3)**  
**INTRODUCTION TO PHILOSOPHY** **F/SP**  
 This course introduces the student to the nature of philosophy and to philosophical thinking. Major areas of philosophical inquiry developed in Western and Eastern traditions are considered.

**PI102 (3)**  
**CONTEMPORARY ETHICAL PROBLEMS** **F/SP**  
 This course provides a careful and critical examination of the moral issues in our society, such as abortion, euthanasia, sex roles, affirmative action, censorship of pornography, economic injustice, environmental control, and the treatment of animals. A brief introduction to some of the basic issues and theories in ethical thought is covered so as to better prepare the student to engage in ethical reasoning.

**PI103 (3)**  
**INTRODUCTION TO ASIAN PHILOSOPHY** **F**  
 This course introduces the student to philosophical thinking as it developed in the Asian traditions. The course covers schools of thought that developed in India, China, and Japan. Philosophical speculation that grew out of the Hindu, Buddhist, Jain, Confucian, Taoist, and Shinto religions is the principal focus of the class.

**PI210 (3)**  
**INTRODUCTION TO LOGIC** **F**  
 This is a philosophy methods course that provides an introduction to the study of formal and informal arguments. Skills to be covered include the identification and analysis of arguments, recognition of fallacies, and modern techniques for analyzing and symbolizing certain kinds of arguments.

**PI220 (3)**  
**ETHICAL THEORY** **SP**  
 This is a philosophy methods course on ethical reasoning and an *essential* course for anyone interested in personal, social, or professional ethics. It examines classical and contemporary writings on such standard moral concerns as theories of moral conduct, moral education, and moral justification.

**PI301 (3)**  
**HISTORY OF WESTERN PHILOSOPHY I** **F/Even Years**  
 This survey course provides an historical study of philosophical concepts and issues during the ancient, medieval, and renaissance period. The focus of the course is on prominent Western thinkers and a study of the philosophical systems they devised and the problems that they addressed.

**PI302 (3)**  
**HISTORY OF WESTERN PHILOSOPHY II** **SP/Odd Years**  
 This course is a continuation of the philosophical survey begun in PI301 covering principal issues and philosophical figures that dominate the modern and contemporary periods of philosophy. Emphasis again is on pivotal Western philosophers and their influence on the development of Twentieth Century philosophy.

**PI306 (3)**  
**PHILOSOPHY OF RELIGION** **SP**  
 This course acquaints the student with the many topics central to the philosophy of religion. This objective is accomplished through surveying the historical writings of thinkers who have made major contributions to this area and covering the most recent discussions in the field of philosophical theology. The first section covers evidentialist and anti-evidentialist attempts to support or discredit the religious hypothesis. Proofs of God's existence, the interrelationship between reason, faith, revelation, and science, God's attributes, the problem of evil, the nature of mysticism and religious experience, and reactions to theism are discussed.

**PI/FA331 (3)**  
**PHILOSOPHY OF ART** **SP/Even Years**  
 This course is a study of the major philosophical positions taken in relation to the arts. Prerequisites: FA231 or consent of instructor.

**PI348 (3)**  
**THANATOS: DEATH AND DYING** **SP**  
 This course looks at the central social, psychological, theological, and philosophical issues associated with the phenomenon of death. The scope of this course is extremely broad so as to meet the widest range of student's needs and interests. While a significant part of the course touches upon relevant professional and moral aspects of treating dying patients in the medical profession, the course also surveys how philosophers and theologians throughout the world have speculated about death and the afterlife.



**PI480** (3)  
**SELECTED STUDIES IN ASIAN PHILOSOPHY** SP  
 This course is dedicated to some specific tradition in Asian Philosophy. The Asian tradition studied will vary each time the course is offered. Examples include: Indian, Chinese, Japanese, Buddhist and Jaina philosophies. The course may be repeated for credit under different topics.

**PI481/G** (3)  
**SELECTED TOPICS IN PHILOSOPHY** F  
 Each time this course is offered it covers one specific area of philosophy or one particular philosopher. Possible course topics include Existentialism, Epistemology, Metaphysics, Environmental Ethics, Medical Ethics, Legal Ethics, the Philosophy of Samkara, and the Philosophy of Lao Tzu. The course may be repeated for credit under different topics.

**PI486/G** (3)  
**TRAVEL STUDIES IN ASIA** SU/Odd Years  
 Philosophy students and others interested in gaining a direct intensive exposure to Asian culture and philosophy will be interested in participating in this course. Each summer one of the faculty in the philosophy program takes a group of students into a particular Asian country of choice. At this time, destination of this course is planned to be either India, Tibet, China, or Japan. This course is invaluable for students who are specializing in Asian philosophy, though anyone could benefit from this unique opportunity to gain a direct encounter with one of these countries under the guidance of an expert in the culture and religion/philosophy of that particular country.

**PHYSICAL EDUCATION/ SCHOOL HEALTH (PK-12) (PE)**

**PE109** (3)  
**TECHNOLOGY IN PHYSICAL EDUCATION** SP/Even Years  
 This course provides students with an introduction to the types of technology utilized in physical education and health. Students learn to find and access search engines and data bases to create authentic assessments. Students also learn how to research and write grants to supplement and fund physical education/health budgets. Prerequisites: None

**PE/MSL119** (3)  
**LEADERSHIP IN PHYSICAL CONDITIONING** FA/SP  
 Military conditioning with emphasis on leadership and leading small groups designed to progressively increase student physical fitness using U.S. Army physical conditioning methods and standards. This course is offered to all UOG students with no commitment to the Army ROTC program. Course will primarily be ability group oriented with emphasis on physical fitness goals and demonstrated abilities to lead physical training activities.

**PE124** (3)  
**INDIVIDUAL SPORTS** F  
 This course provides students with opportunities to engage in various individual sports taught in the schools such as:

badminton, tennis, bowling, fencing, archery, golf, and self-defense. Students learn how to plan developmentally appropriate activities and assess student performance toward learning objectives. Prerequisites: None

**PE125** (3)  
**WILDERNESS SPORTS AND ADVENTURE EDUCATION** S  
 This course provides students with opportunities to participate in physically challenging outdoor activities such as camping, backpacking, canoeing, hiking, mountaineering, orienteering, and windsurfing. Students engage in initiatives where obstacles are contrived and environments are created that challenges students to work with individuals and groups to solve problems. Prerequisites: None

**PE212** (3)  
**MOTOR LEARNING** F/Odd Years  
 This course provides students with an understanding of the processes that underlie human movement learning. Students learn how to assess performance and provide effective instruction that optimizes skill acquisition and performance. Prerequisites: None

**PE214** (3)  
**COMMUNITY HEALTH FOR EDUCATORS** F/Even Years  
 This course provides students who are interested in teaching health in the 6-12 setting, an introduction to the various aspects of community health at the local, federal, and international levels. This course introduces students to the discipline of community health education and examines the social/political reasons why community health problems continue to exist. Students think critically on issues concerning the legislation and financing of health care services as well as view a community's health status as a part of a larger, global community. Prerequisites: HS200.

**PE220** (3)  
**TEAM SPORTS** F  
 This is a professional preparation course providing instruction in a variety of team sports that are included in the schools. Analysis of skills, drills, strategies and rules are addressed as well as teaching strategies for different age groups and skill level. Prerequisite: None

**PE251** (3)  
**EDUCATIONAL GYMNASTICS, DANCE, AND GAMES** F/Odd Years  
 This course provides students with an understanding of fundamental movement concepts that underlie educational gymnastics, dance, and games at the PK-12 levels. Students learn how to plan developmentally appropriate activities and assess student performance toward learning objectives. Prerequisites: None

**PE312** (3)  
**SCHOOL HEALTH** SP/Odd Years  
 This course provides students who are interested in teaching health in the 6-12 setting, an in-depth understanding of personal health issues and health issues in general that affect students in

the 6-12 setting. This course integrates the concepts of the Coordinated School Health Program (CSHP). Prerequisite: HS200, PE214.

**PE/ HS322 (3)**  
**KINESIOLOGY F**  
Kinesiology is the study of the human body from the viewpoint of the physical sciences. It is an essential part of the educational experience of students of physical education, dance, sport, and physical medicine. The function of the course is to contribute not only to successful participation in various physical activities, but also to the improvement of the human structure through the intelligent selection of activities and the efficient use of the body. Prerequisites: Grade of C or better in EN111 and BI124-124L.

**PE/HS324 (3)**  
**EXERCISE PHYSIOLOGY SP**  
This course is designed to assist potential teachers and others involved in activity programs to be safely effective in the gymnasium and on the athletic playing field. Study focuses on how the body, from a functional standpoint, responds and adjusts to exercise. Both acute and prolonged (chronic) exercises, as used in exercise training, are considered. Prerequisites: Grade of C or better in EN111, BI124-124L, BI125-125L, BI125-125L or consent of instructor required.

**PE326 (3)**  
**SPORTS INSTRUCTION/ ATHLETICS I F/Even Years**  
This course provides students who are interested in sports instruction for individual and team sports at the elementary level, with an understanding of developmentally appropriate practices. This course specifically focuses on appropriate skill development, sport pedagogy, organization and administration, nutrition, and risk management specific to the elementary level. Observation and service learning experiences provide for application of classroom material. The course also prepares students to take the American Sport Education Program (ASEP) exam. Prerequisites: ED201, PE212, PE352

**PE352 (2)**  
**METHODS OF TEACHING ELEMENTARY PHYSICAL EDUCATION F**  
This course focuses upon planning, implementing, and assessing developmentally appropriate physical education, dance and health programs that meet national standards and the diverse needs of students in pre-K- 6 grade. Prerequisite: ED201, ED300, with grades of C or above. Concurrent enrollment with PE392a is required.

**PE353 (2)**  
**METHODS OF TEACHING MIDDLE AND HIGH SCHOOL HEALTH AND PHYSICAL EDUCATION SP**  
This course prepares the physical or health Teacher Candidate to develop and present physical education and health programs that meet the needs of all students in the secondary school setting including those with disabilities or health-related limitations. Attention is given to develop knowledge, skills and dispositions required to implement and assess developmentally appropriate secondary programs. Prerequisites: ED201, ED300, with a

grade of C or better. Students must have been admitted to the Concentration in Teaching Physical Education. Concurrent enrollment with PE392b is required.

**PE392a (1)**  
**FIELD EXPERIENCE IN TEACHING ELEMENTARY PHYSICAL EDUCATION F**  
This field experience focuses on providing opportunity for Teacher Candidates to observe, assist, plan, implement and assess developmentally appropriate physical education in pre-K-5<sup>th</sup> grade. Teacher Candidates are scheduled for two hours per week in an elementary school throughout the semester. Prerequisites: ED201, ED300 with a grade of "C: or above. Students must have been admitted to the Concentration in Teaching Physical Education. Concurrent registration with PE352 is required.

**PE392b (1)**  
**FIELD EXPERIENCE IN TEACHING PHYSICAL AND HEALTH: SECONDARY SP**  
This field experience focuses on providing opportunity for teacher candidates to implement content, methods, and strategies for teaching developmentally appropriate physical education and health through observing, assisting, and teaching in the secondary setting under the guidance of a mentor teacher. Teacher candidates are scheduled for two hours per week in a secondary school. Prerequisite: ED201, ED300, with grades of C or better. The theory course PE353 must be taken concurrently.

**PE426 (3)**  
**SPORTS INSTRUCTION/ ATHLETICS II SP/Odd Years**  
This course provides students who are interested in sports instruction for individual and team sports at the secondary level, with an understanding of developmentally appropriate practices. This course specifically focuses on appropriate skill development, sport pedagogy, organization and administration, nutrition, and risk management specific to the secondary level. Observation and service learning experiences provide for application of classroom material. The course also prepares students to take the American Sport Education Program (ASEP) exam. Prerequisites: ED201, PE212, PE353

**PE/BA446 (3)**  
**ENTREPRENEURSHIP: NEW VENTURE CREATION SP**  
Provides an opportunity to develop a business plan through the application of the principles, theories and practices learned in the previous entrepreneurship courses. Emphasis will be placed on the practicability of the plan and the ability to present the concept as a viable and profitable business venture.

**PE454/G (3)**  
**ADAPTED AND DEVELOPMENTAL PHYSICAL EDUCATION, RECREATION AND DANCE SP/ Even Years**  
This course emphasizes assessment, design, and implementation of physical education that meets the developmental characteristics and special needs of pre-school and school age children, youth, and adults including those with disabilities or



health related impairments. Particular attention is paid to adaptations to instruction, equipment and facilities to accommodate and individualized PE instruction for students with disabilities in schools and participants in community settings. Prerequisite: ED201, ED300 with a grade of "C" or above.

**PE492b (12)**  
**PRACTICUM IN STUDENT TEACHING: SECONDARY F/SP**

This course is the final requirement in the course sequence. This course provides teaching experience under intensive supervision in private or public schools. Students will spend 8 weeks at an elementary site and 8 weeks at a secondary site. Regular observation, counseling and evaluation are provided by SOE. Grading system: A,P, NC. General prerequisites: overall GPA of at least 2.5 with a GPA of 2.7 in the teaching area; completion of all education and PE courses; senior standing; no General Ed or PE course can be taken concurrently without special permission from their program chairperson; application must be completed by announced deadline. Student is required to be present at the assigned school the entire school day and is advised to follow the Department of Education guidelines.

**PHYSICS (PH)**

**PH210 (1)**  
**INTRODUCTORY PHYSICS LABORATORY F**

This course consists of experiments dealing with mechanics, heat, and sound. It acts as a laboratory for PH251. It meets for three hours weekly.

**PH211 (1)**  
**INTRODUCTORY PHYSICS LABORATORY SP**

This course consists of experiments dealing with electricity, magnetism, optics, and atomic physics. It acts as a laboratory for PH252. It meets for three hours weekly.

**PH251 (4)**  
**UNIVERSITY PHYSICS F**

This is the first of a two-semester course in general physics using applied calculus. Classical mechanics, heat and thermodynamics are considered. It includes four hours of lecture per week. Prerequisite: MA203 or concurrent enrollment.

**PH252 (4)**  
**UNIVERSITY PHYSICS SP**

A continuation of PH251, this course deals with classical electricity and magnetism, optics, wave motion and sound. It includes three hours of lecture per week. Prerequisite: PH251.

**PH301 (3)**  
**MECHANICS F/Odd Years**

Mechanics is the study of static, kinematic, and dynamic principles. It includes four hours of lecture per week. Prerequisite: PH252.

**PH305 (3)**  
**THERMODYNAMICS SP/Odd Years**

Thermodynamics includes the consideration of temperature, equations of state, heat, the first law, the second law, entropy, thermodynamic functions, introduction to kinetic theory and statistical mechanics, and applications to related scientific areas. It consists of three hours of lecture per week. Prerequisite: PH252.

**POLITICAL SCIENCE (PS)**

**PS100 (3)**  
**INTRODUCTION TO CITIZENSHIP F/SP**

This course provides a general introduction to citizenship. The concept of citizenship is examined within the context of classical antiquity, modern constitutional democracy, globalization and internationalization. Particular emphasis is placed upon civics, upon the rights and responsibilities of citizenship.

**PS101 (3)**  
**INTRODUCTION TO GOVERNMENT AND POLITICS F/SP**

With emphasis on the democratic political system, this course is a study of political behavior, the role of government in society, and different forms of government in the world.

**PS202 (3)**  
**GOVERNMENT IN THE UNITED STATES F**

An analysis of the plan and structure of the federal system of the United States, this course places special emphasis on the meaning of democracy and ideas, form and values of political and economic institutions in the United States.

**PS215 (3)**  
**INTERNATIONAL RELATIONS F**

This course presents a general framework in the study of international politics, examines the forces that motivate policy, the tools to promote foreign policy objectives, and international cooperation and conflict resolution.

**PS225 (3)**  
**STATE AND TERRITORIAL GOVERNMENT F/SP**

This course entails the analysis of U.S. State and Territorial Governmental systems, including the study of constitutionalism, federalism, separation of powers, civil rights, political parties, interest groups, political status, and political development. Emphasis is placed on the analysis of the structure and function of the Territorial Government of Guam.

**PS300 (3)**  
**RESEARCH METHODOLOGY IN POLITICAL SCIENCE SP**

This course introduces the methods and skills necessary to conduct research in political science. Students design and execute a research project in a substantive area of political science. Prerequisite: PS101 and MA151, or consent of instructor.



2013-2014

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|---|----------------------------|---|-----------------------------|
| <b>PS302</b><br><b>COMPARATIVE POLITICS</b><br>The course provides students with the tools to undertake a comparative study of political processes and government institutions, with particular attention to democracies. Prerequisite: PS101, or consent of instructor.  | (3)<br><b>F</b>            | <b>PS403</b><br><b>UNITED STATES FOREIGN POLICY</b><br>This course analyzes the factors and processes, and the major events in U.S. Foreign Policy formulation and implementation with emphasis on the Asian and the Pacific region. Prerequisite: PS101, or PS215, or consent of instructor.   | (3)<br><b>SP/Even Years</b> |
| <b>PS304</b><br><b>POLITICS OF ASIA</b><br>This course provides an introduction the political institutions, processes and problems of counties in Asia. Prerequisites: PS101 OR consent of instructor.  | (3)<br><b>SP</b>           | <b>PS/MSL404</b><br><b>ISSUES IN DEFENSE AND NATIONAL SECURITY</b><br>This course discusses the use of force in international relations and preservation of domestic security, including nuclear deterrence, terrorism, and overseas projection of military power, emphasizing the role of Micronesia in the global and regional security perspective. Prerequisite: PS215 or consent of instructor.                  | (3)<br><b>SP/Odd Years</b>  |
| <b>PS307</b><br><b>COMPARATIVE POLITICS OF ECONOMIC DEVELOPMENT</b><br>The course investigates the role of political decision in fostering or hindering economic development, with special emphasis on the experience of industrialization in Asia. Prerequisites: PS101 and BA110 or consent of instructor.  | (3)                        | <b>PS412</b><br><b>POLITICS OF MICRONESIA</b><br>This course explores government and politics in Micronesia. This course focuses on such concepts and themes as U.S. territorial policy and relations, political status, political/economic development, environmental policy, self-determination, political culture, political socialization, federalism. Pre-requisites: PS101 or PS225 or consent of instructor.   | (3)<br><b>SP</b>            |
| <b>PS310</b><br><b>REGIONAL AND INTERNATIONAL ORGANIZATIONS</b><br>This course discusses the origin, structure, and functions of regional and international organizations, focusing on the United Nations, the European Union, NATO, and the Association of South East Asian Nations. Prerequisite: PS215, or consent of instructor.  | (3)<br><b>SP/Odd Years</b> | <b>PS420</b><br><b>INTERNATIONAL LAW</b><br>This course examines the purposes, origins, adjudication, and enforcement of international law, in emphasizing the practical areas of transnational maritime, aviation, communications, and intellectual property law. Prerequisite: PS215, or consent of instructor.   | (3)<br><b>F/Even Years</b>  |
| <b>PS326</b><br><b>POLITICAL PHILOSOPHY</b><br>This course examines and analyzes the thought of political philosophers from classical antiquity to the present. The intent of the course is to explain what political philosophy is and to explore the relationship between politics and philosophy. Prerequisite: PS101 or instructor's consent.   | (3)<br><b>F</b>            | <b>PS426</b><br><b>AMERICAN POLITICAL THOUGHT</b><br>This course examines political thought among Americans since independence. Specific topics may include American variation on liberalism and conservatism. Prerequisite: PS101 or PS202 or PS326 or consent of instructor.  | (3)<br><b>SP/Even Years</b> |
| <b>PS375</b><br><b>THE LEGISLATIVE PROCESS</b><br>This course applies theory to practice in the legislative process. It offers students the ability to discuss the structure and function of the legislative branch and provides an opportunity to utilize their academic knowledge through a legislative service project. Prerequisites: PS101; PS202 or PS225.  | (3)<br><b>F</b>            | <b>PS482</b><br><b>SPECIAL TOPICS IN POLITICAL SCIENCE</b><br>This course is designed to cover important political issue of contemporary significance in various topics in (A) American and regional government, (B) Comparative government, and (C) International relations. This course may be repeated for credit under different topics. Prerequisites: PS101 and either PS300 or PS302, or consent of instructor | (3)<br><b>FA/SP</b>         |
| <b>PS402</b><br><b>AMERICAN CONSTITUTIONAL DEVELOPMENT/LAW</b><br>This course is the study of the origin and adaptation of the United States Constitution as a principal factor in the development of the political system of the United States. Major U.S. Supreme Court cases are analyzed in their governmental context, particularly with regard to federal-territorial relations as they have impacted on Guam and Micronesia. Prerequisite: PS101 or PS202, or consent of instructor. | (3)<br><b>SP</b>           |   |                             |

## PSYCHOLOGY (PY)

**PY100 PERSONAL ADJUSTMENT** (3)  
F/SP  
This course is meant to help students understand and find ways to solve everyday problems. People often wish to change their behavior or change the way that other people act towards them. This course provides some information about why people act the way they do and how they can change their behavior. The course may be taken along with EN 085. No prerequisites.

**PY101 GENERAL PSYCHOLOGY** (3)  
F/SP  
This course provides an introduction to the basic principles of psychology, to methods for research in psychology, and to key finding from its subfields. Topics include the biological bases of behavior sensation and perception, consciousness and altered states, learning, human memory, problem-solving, motivation and emotion, development across the life span, personality, stress and coping, psychological disorders, psychotherapy, and social behavior.

**PY201 CHILD DEVELOPMENT** (3)  
F  
This course provides a scientific and up-to-date picture of child development in physical, cognitive, emotional and social areas from the prenatal period up to adolescence. The course examines the way children actually live, the current social conditions that influence their lives, and the practical applications of child development research and its relevance to the lives of children and their families in the Western Pacific region. Course material enables students to appreciate the developmental capabilities and needs of children at different ages and the role of culture in early child development. Prerequisite: PY101.

**PY202 ADOLESCENT PSYCHOLOGY** (3)  
SP  
This course offers an overview of physical, cognitive, social and emotional development during adolescence. It introduces theory and research on contemporary social problems affecting adolescents and engages students in active research to explore these issues locally, regionally and nationally. Prerequisite: PY101.

**PY210 INTRODUCTION TO EXPERIMENTAL PSYCHOLOGY** (3)  
SP  
This is an introduction to experimental design, methods, and statistics used in psychological research. Prerequisite: PY101. Co requisite: PY210L.

**PY210L INTRODUCTION TO EXPERIMENTAL PSYCHOLOGY LAB** (1)  
SP  
This is the laboratory component of PY210. They MUST be taken concurrently. The lab meets for three hours each week. Students learn APA writing style, conduct experiments, analyze data, write reports, and present results. Co requisite: PY210. Prerequisite: PY101.

**PY304 LEARNING AND MOTIVATION** (3)  
F/Even Years  
The investigation of learning and motivation involves the experimental study of the effects of experience on behavior and the organization of action in animals and humans. The course examines actions ranging from basic biological motives (e.g., eating, drinking, and sex) to complex human social motives (e.g., attachment and achievement). Important issues and theories in the control of actions will be considered through an exploration of different kinds of learning and the role of cognition and emotion in motivated behavior. Prerequisites: PY101.

**PY304L LEARNING AND MOTIVATION LABORATORY** (1)  
F/Even Years  
This is the laboratory component of PY304 and MUST BE taken concurrently. Students conduct experiments with simulated and live animals to learn laboratory techniques and better understand seminal studies encountered in the didactic course. All students meet each week for one hour general instruction and then coordinate with the instructor and group mates to condition animals for two more hours. Co requisite: PY304. Prerequisite: PY101.

**PY305 SENSATION AND PERCEPTION** (3)  
SP/Odd Years  
Mechanisms of visual, auditory, gustatory, olfactory, and tactile experience are examined. Topic coverage includes: information processing by the vertebrate nervous system, basic concepts of psychophysics, stimulus coding and feature extraction by the sensory systems. Laboratory demonstrations and experiments are conducted, with students performing an independent project. Prerequisites: PY101 and PY210.

**PY309 HISTORY AND SYSTEMS OF PSYCHOLOGY** (3)  
F/Even Years  
This course is a study of the historical development of modern psychology, of its foundation in the other sciences and philosophy, and of the people, ideas and theoretical systems that have been most influential in shaping contemporary psychological thought. Prerequisite: PY101.

**PY342 THE PSYCHOLOGY OF CLOSE RELATIONSHIPS** (3)  
SP/Even Years  
This course addresses how relationships form, change and end between friends, family members and romantic partners. Topics include interpersonal attraction; types of intimacy and love; sexuality in close relationships; parent-child and sibling relationships; friendship; fairness, selfishness and altruism; communication; social power; jealousy; conflict; ending relationships; loneliness; social networks; and therapy for relationships. This course emphasizes: 1) knowledge of theory and research findings in close relationships; and 2) developing one's own skills for creating and maintaining rewarding relationships. Prerequisite: PY101



**PY370 (3)**  
**INTRODUCTION TO CLINICAL PSYCHOLOGY F**  
This course offers an examination of the methods and profession of clinical psychology, including history, theories, types of psychological problems, methods of assessment, forms of intervention, current development. Prerequisite: PY101.

**PY404 (3)**  
**COGNITIVE PSYCHOLOGY SP/Even Years**  
This course offers an examination of the major capacities and functions involved in human learning. Major topics discussed include historical background, verbal learning, language and thought, serial position learning, concept formation and forgetting. Prerequisite: PY101.

**PY/BI405 (3)**  
**ANIMAL BEHAVIOR F/Odd Years**  
The investigation of animal behavior involves the comparison of behavior across a wide range of animal species. Emphasis will be on principles and phenomena in animal development, control of behavior, communication, feeding, reproduction, habitat selection, and mating systems. Evolutionary theory, as a framework for the adaptive character of behavior in animals and humans, is emphasized. Some semesters may involve intensive investigation of the behavior of a single animal species in the Micronesian region. Prerequisite: PY101 or BI158. Co requisite: PY/BI405L.

**PY/BI405L (1)**  
**ANIMAL BEHAVIOR LABORATORY F/Odd Years**  
BI/PY405L, is the Laboratory component of BI/PY405 and MUST be taken concurrently. The course meets for three hours per week. Students learn about animal laboratory procedures and basic phenomena by working with experimental animals and local critters. Prerequisite: PY101 or BI158. Co requisite: BI/PY405.

**PY413/G (3)**  
**RESEARCH METHODOLOGY IN THE BEHAVIORAL SCIENCES F**  
This course is an in-depth study of the scientific research process, and an application of its principles and techniques to proposing, designing, conducting and analyzing original research. Students demonstrate mastery of APA style and deliver research results orally and in written format. Prerequisite: PY101, PY210, and MA385.

**PY420/G (3)**  
**ABNORMAL PSYCHOLOGY F/SP**  
This course covers the study of historical changes in theories and methods of treatment; theory of personality development; dynamics of adjustment; the symptoms, dynamics, therapy, and prognosis of various abnormal reaction patterns, both functional and organic; and modern theories and methods of diagnosis, therapy, and prevention. Prerequisite: PY101.

**PY426/G (3)**  
**PERSONALITY THEORY F/Odd Years**  
This course provides an intensive and comparative overview of the theories of personality from Freudian, Neo-Freudian, Trait, Cognitive, Socio-behavioral, Existential and Humanistic perspectives. Major theorists' concepts and principles,

assessment and techniques are examined within a cross cultural and ethnically diverse context. Prerequisite: PY101.

**PY440/G (3)**  
**SOCIAL PSYCHOLOGY F**  
This course applies the scientific method to analysis of the behavior of individual people in social situations. Topics include aggression, attitude formation and persuasion, conflict resolution, conformity, gender roles, group decision making, interpersonal attraction, positive social behaviors, prejudice, social factors in the self-concept, social information processing, and applications of social psychology to social problems. Prerequisite: PY101.

**PY442 (3)**  
**CROSS-CULTURAL PSYCHOLOGY SP/Odd Years**  
Cross-cultural psychology seeks to identify behaviors common to all human beings and differences in behavior caused by differences in culture. This course covers cross-cultural commonalities and differences in development, thinking and problem solving, perception, motivation, values, relations between the sexes, aggression, and organizational behavior. The course also covers recommendations for contact between members of different cultures. Prerequisite: A minimum of 3 credits in psychology at the 300 or 400 level.

**PY/WG455/G (3)**  
**PSYCHOLOGY OF WOMEN SP**  
This course offers a study of women through feminist scholarship and research. It is designed to introduce students to the myriad factors influencing the development of girls and women in a variety of cultures and societies, including Micronesia. Areas covered include feminist scholarship and research; gender socialization, women's biology and (mental) health; sexuality; victimization and abuse; work career, and power issues. Prerequisite: PY101.

**PY475 (3)**  
**MICRONESIA AND MENTAL HEALTH SP/Odd Years**  
This course offers an examination of mental health services and problems in Micronesia. Geography, political systems, health problems, peoples and cultures provide the context for a detailed examination of mental health and social change concerns within our region. Prevalence of psychiatric disorders within Micronesia, applications of psychological interventions to regional concerns, and Micronesian perspectives toward psychology are the primary focus of the course. Prerequisite: PY101, PY370, PY420 or consent of instructor.

**PY491 (3)**  
**PSYCHOLOGICAL RESEARCH SEMINAR F/SP**  
This course gives students experience in conducting psychological research as collaborators in faculty-supervised investigations. Students complete a list of project-specific readings, participate in the planning and supervision of data collection, help to code and interpret data, and design proposals for further research in the topic area. This course may be repeated for elective credit. Prerequisites: PY101 and the consent of the instructor. MA151 is recommended.



**PY492 a-b (3-3)**  
**PSYCHOLOGY PRACTICUM a-F,b-SP**  
 This practicum course in clinical psychology places students in a mental health or social service facility under the supervision of an approved practicum supervisor. Students are required to attend a weekly seminar on professional issues and ethics and minimally spend one day a week in a placement setting. This course is restricted to psychology majors. PY492a and/or PY492b may be repeated for elective credit. Prerequisites: PY101, PY370, PY420.

**SO/AN332 (3)**  
**GLOBALIZATION AND HUMAN DYNAMICS SP/Even Years**  
 This course examines representative peoples in various parts of the world with regard to selected themes concerning globalization and human dynamics. Themes explored may include ethnicity, multiculturalism, nation building, and tourism. Prerequisite: AN101 or SO101.

**SOCIOLOGY (SO)**

**SO101 (3)**  
**INTRODUCTION TO SOCIOLOGY F/SP**  
 This course is a study of human society, its diversity, its nature, structure, and processes including foundations of culture, social interaction, social controls, social change and cross-cultural relations. Special emphasis is given to social processes in Micronesia and the Western Pacific.

**SO342 (3)**  
**SOCIOLOGY OF SEX AND GENDER F/Even Years**  
 This course examines traditional and contemporary views of gender roles and life chances for men and women in a social and cross-cultural context. It examines what relations exist between men and women and how women and men contribute to, negotiate with, and explore gender and traditional definitions of masculinity and femininity. Prerequisites: SO101 and SO230 or consent of instructor.

**SO202 (3)**  
**CONTEMPORARY SOCIAL PROBLEMS F/SP**  
 This course is a study of the nature and root causes of social problems. Topics include such problems as inequality, crime population, environmental degradation and poverty. Students develop skills in critically analyzing their world and understand the causes and solutions to contemporary problems regionally and internationally.

**SO/AN/NU/SW344 (3)**  
**AGING: MYTH & REALITIES F**  
 This course explores the major issues and concepts pertinent to gerontology, the study of the aging process. The prevailing theories of the social/biological aging process, and the economic, physical and psychological problems that might arise in late life are presented, and students learn how these factors impinge on the well-being of the older person and the social structure of a community. Aging as it occurs in different societies and throughout history is discussed. Social myths and stereotypes are explored. An overview of existing aging policies and special programs for the older population is included, as is a section on dying, death and grieving. Prerequisite: SO101 or consent of instructor.

**SO221 (3)**  
**SOCIOLOGY OF HEALTH AND MEDICINE F**  
 This course introduces students to sociological perspectives of medical practice and health. We explore some of the major ways that health and medical practice are structured by global inequalities and by the inequalities of class, race, gender and nationality. We also explore how our everyday lives and identities are influenced by knowledge production in the field of medicine. The history of medicine and the medical profession will also be briefly explored.

**SO350 (3)**  
**DEVELOPMENT OF SOCIOLOGICAL THEORY - CLASSICAL F**  
 Classical Sociological Theory examines the thought of sociologists from Auguste Comte, Karl Marx, Emil Durkheim and Max Weber through the writings of the Chicago School in the United States. These classical sociological writings are critically examined as to their present impact on theory today. Prerequisite: SO101 or consent of instructor.

**SO/WG230 (3)**  
**MARRIAGE AND THE FAMILY F/SP**  
 This is a comparative study of family relationships with special attention given to the social and cultural aspects of the family, mate selection, marriage adjustment, parental roles, and family stability. Prerequisites: SO101 or consent of instructor.

**SO360 (3)**  
**SOCIAL MOVEMENTS AND CHANGE SP**  
 This course is the study of the nature and characteristics of society and the changes society is undergoing. Prerequisite: SO101 or consent of instructor.

**SO302 (3)**  
**DEVIANCE AND SOCIAL CONTROL SP**  
 This course offers a theoretical orientation into the study of deviance and relevant methodological consideration. It covers extent of and trends in different forms of deviance, a description of offenders and victims, the consequences of attempts at social control, and public opinion regarding various deviant acts. Prerequisite: SO101 or SO202 or consent of instructor.

**SO386 (3)**  
**JUVENILE DELINQUENCY AND CRIMINOLOGY SP**  
 This course presents a critical evaluation of current theories of delinquency causation, a study of the juvenile court system and laws relating to juvenile offenders, an examination of institutional and non-institutional treatment programs, and an analysis of delinquency control and prevention. Prerequisite: SO101 or consent of instructor.



**SO/AN405** (3)  
**COMMUNITY DEVELOPMENT** SP/Odd Years  
This is a study of applied sociology and anthropology, emphasizing social process and programs of planned change on the community level in parts of the world currently undergoing technical development. Prerequisite: SO101/350 and MA385, or consent of instructor.

**SO411** (3)  
**SOCIAL ISSUES IN MICRONESIA AND GUAM** F  
This course provides the student with an in-depth sociological understanding of current issues and problems facing Micronesian society today, a part which is Guam. A critical examination of drug and alcohol abuse, family violence, crime, environmental issues, health disparities, political status, suicide economic disparity and development issues, and other relevant topics will be addressed. Prerequisites: SO101, SO202 or consent of instructor.

**SO414** (3)  
**RESEARCH METHODOLOGY IN SOCIOLOGY** SP  
This course covers the structuring of sociological inquiry, conceptualization, measurement and operationalization, and the use of bibliography, reference tools and research methods in Sociology. Presentation and cooperative evaluation of research materials, methods, and projects are required. Prerequisites: SO101, SO350 or by consent of instructor.

**SO/AN418** (3)  
**SOCIAL STRATIFICATION** F  
This is a review of theory and research bearing on the institutional arrangement, individuals, roles and groups in hierarchical relationships known as systems of social stratification, with particular reference to differences between stratification in industrial and less developed societies. Prerequisite: SO101 and MA385, or consent of instructor.

**SO445** (3)  
**INEQUALITY AND IDENTITY** F/Even Years  
This course is designed to raise awareness of the dynamics of race/ethnicity, class, and gender in the shaping of society. The course explores the problems of conflict and accommodation between groups in multicultural societies. It analyzes variations in levels of harmony and conflict between such groups. Students are required to carry out a research project analyzing some aspect of gender, class, or ethnicity in Micronesia. Prerequisites: SO101, SO202 or consent of instructor.

**SO455** (3)  
**SOCIOLOGY OF WOMEN** F/Odd Years  
This course examines the ways in which gender and social structure shape conditions for women. In anticipating social structures and organizations that might influence women's lives, the course considers several areas such as the socialization of women, images of women, women in media, women and work, women and households, women and crime, and women and migration. Prerequisite: SO101 and SO230 or consent of instructor.

**SO/GE475** (3)  
**HUMAN ECOLOGY: PROBLEMS AND SOLUTIONS** F/Odd Years  
This course examines the relationship between human populations and their environments in the context of functional interdependence involving population, environment, organization and technology. Special attention is given to an examination of world population, geography, and an analysis of the causes, consequences and solutions to modern day social and environmental problems. Prerequisite: SO101, SO202 and MA385 or consent of instructor.

**SO480** (3)  
**SPECIAL TOPICS** F/SP/SU  
Special Topics Courses, such as the Sociology of Education, Sociology of Religion, Medical Sociology, Sociology of Government and Politics, etc. are offered intermittently as faculty resources permit. Students should keep aware of the current offerings in a given semester and plan their course selection accordingly. Prerequisites: SO101, SO350 and MA385, or consent of instructor. This course may be repeated for credit as the topic changes.

**SO491** (3)  
**SOCIOLOGICAL RESEARCH SEMINAR** As Resources Permit  
This course gives students experience in conducting sociological research as collaborators in faculty-supervised research projects. Students will complete a list of readings that are specific to the research project, assist in project planning, research design, data collection, and data analyses. Students will also collaborate (where appropriate) in the preparation and presentation of research findings. Prerequisite: SO101, SO414, MA385 or consent of instructor. May be repeated up to six credit hours.

**SO498** (3-6)  
**INTERNSHIP** F/SP/SU  
The internship program permits the student to utilize her/his academic experience in both the academic and non-academic realm through teaching assistantships, placement in financial, social service, health-related or other organizations in the community. Prerequisites: SO101, SO202, SO350, or consent of instructor. May be repeated up to six credit hours.

**SOCIAL WORK (SW)**

**SW110** (3)  
**INTRODUCTION TO COMMUNITY SERVICES ON GUAM** F/SP  
This is a course designed to familiarize the student with services available in the local community to meet human needs and to help with social problems. Emphasis is on the development of knowledge from the perspective of a consumer and of skills necessary to locate, gain access to and effectively utilize such services. Open to all students, including those on restricted status.



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|---|--|
| <b>SW201</b> (3)<br><b>SOCIAL WELFARE AND DEVELOPMENT: GLOBAL CHALLENGES</b> F/SP<br>This introductory course critically examines social welfare and social work from an international and comparative perspective with a focus on the importance of cultural and value systems on a society's allocation of resources, on the development of informal and formal systems of care, and on the evolving mission, roles and functions of social work.   | <b>SW305</b> (3)<br><b>CASE MANAGEMENT</b> F<br>This course is designed to cover the fundamentals of best practice in case management and its application in various practice areas within the helping professions of Guam and Micronesia. Case management serves the whole person by focusing on most of the client's issues, needs, strengths, and concerns. It is a method for determining an individualized service plan for each client and monitoring that plan to be sure it is effective. It is also a process used to ensure that the money spent for the client services is being spent wisely and in the most efficient manner. Course content includes ethics, definitions, responsibilities, cultural competence, influence of personal and professional worldviews, communication skills, client engagement phases, assessment tools and interpretation, interviewing, case-studies, service/treatment planning, documentation and reporting, evaluation, follow-up. Prerequisites: EN111 and SW201 or permission of instructor. |
| <b>SW250</b> (3)<br><b>HUMAN BEHAVIOR AND THE SOCIAL ENVIRONMENT I</b> F<br>This course explores the reciprocal relationship between human behavior and social environments. Students will learn to deal with the impact of the social environment on the development of the individual throughout the entire life course, from birth to death, including physical, emotional and intellectual changes, with an emphasis on Micronesian cultural influences and values. The particular emphasis of this course is from conception to young adulthood.   | <b>SW313</b> (3)<br><b>RESEARCH METHODS FOR HEALTH AND SOCIAL SERVICES</b> SP<br>This course offers an overview of research methods and their application in health and social service systems. Prerequisite: MA151.   |
| <b>SW251</b> (3)<br><b>HUMAN BEHAVIOR AND THE SOCIAL ENVIRONMENT II</b> F<br>This course explores the reciprocal relationship between human behavior and social environments. Students will learn to deal with the impact of the social environment on the development of the individual throughout the entire life course, from birth to death, including physical, emotional and intellectual changes, with an emphasis on Micronesian cultural influences and values. The particular emphasis of this course is on adulthood and old age. Prerequisite: SW250  | <b>SW344/AN/NU/SO</b> (3)<br><b>AGING: MYTH &amp; REALITIES</b> F<br>This course explores the major issues and concepts pertinent to gerontology, the study of the aging process. The prevailing theories of the social/biological aging process, and the economics, physical and psychological problems that might arise in late life are presented, and students learn how these factors impinge on the well-being of the older person and the social structure of a community. Aging as it occurs in different societies and throughout history are discussed. Social myths and stereotypes are explored. An overview of existing aging policies and special programs for the older population is included, as is a section on dying, death and grieving.   |
| <b>SW301</b> (3)<br><b>GENERALIST SOCIAL WORK PRACTICE METHODS I</b> F<br>This is first in a series of four social work practice methods courses. Initially, the course offers a brief overview of theories underlying generalist social work with individuals, couples, families, groups, organizations, and communities. Subsequently the course emphasizes basic concepts, principles, and assumptions in working with individuals. These theoretical concepts are then applied to individual case studies, and students learn generalist social work skills through dynamic role-plays. Prerequisites: SW201 Introduction to Social Work or permission of instructor. | <b>SW345</b> (3)<br><b>SOCIAL JUSTICE</b> F<br>This course examines the dynamics and consequences of social and economic injustice, including various forms of human oppression and discrimination. Students gain skills to promote social change and to implement interventions that advance individual and collective social and economic justice and combat the causes and effects of institutionalized form of oppression.   |
| <b>SW302</b> (3)<br><b>GENERALIST SOCIAL WORK PRACTICE METHODS II</b> SP<br>This is the second in a series of four social work practice methods courses. It offers theories underlying generalist social work practice and emphasizes skills development for working with organization and communities. These generalist social work skills pertain to the analysis of organizing with multiple change agents towards positive social development. Prerequisites: SW301 Generalist Social Work Practice Methods I or permission of instructor. Co-requisite: SW385  | <b>SW/HP355</b> (3)<br><b>HUMAN SEXUALITY</b> SP<br>This course offers a broad overview of human sexuality from a multidisciplinary perspective: the biological, psychological, sociological, and cross-cultural. It provides some of the most current information in the field today and the opportunity for students to reflect on their personal values, attitudes, beliefs, and behaviors regarding sexuality and to consider critical practice issues in his/her field.   |



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**SW385** (3)  
**FIELD INSTRUCTION I** SP  
Each student collaborates with her/his assigned field instructor to develop and carry out an individual learning contract for beginning generalist practice, with an emphasis on direct practice with communities, to be completed through 165 field contact hours and 15 in-class seminar hours. Co requisite: SW302 Generalist Social Work Practice Methods II.

**SW400** (3)  
**FIELDS OF SOCIAL WORK PRACTICE** F/SP  
Social workers are engaged in professional practice in diverse settings and work with different client systems. Each semester, this course examines the history, current policy issues and practice trends in a different field of social work practice. These fields of practice include: family and children's services, youth services, older adults, mental health, substance abuse, health care, disabilities, school social work, social work in the workplace (military social services, employee assistance), disaster relief, public welfare, criminal justice settings, and international social work. With different subject matter, SW400 may be taken more than once for credit. An annual schedule is developed based on an assessment of student interests, community need, and availability of faculty with expertise in the practice field. Please confer with a social work advisor regarding the annual schedule of SW400 course offerings.

**SW401** (3)  
**COMMUNITY SERVICE LEARNING** SP  
This course is designed to assist students develop an awareness of the importance of service as a civic responsibility. The course provides upper division students the opportunity to link study in his/her major and community service so that the service makes the study immediate and relevant, and the study relates to and supports the service to the community. Students are placed in an approved non-profit civic organization after a determination is made of the student's areas of expertise and specific needs of the organization. Students contribute a minimum of 50 hours of volunteer work to complete an agreed upon project. This service component is complemented by 16 seminar hours where students meet with the instructor to discuss the readings in relation to their service learning. The course culminates with a Community Service Learning Symposium where the service contributions of students are showcased and future service learning opportunities are identified.

**SW403** (3)  
**GENERALIST SOCIAL WORK PRACTICE METHODS III** F  
This is the third in a series of four social work practice methods courses. It offers theories underlying generalist social work practice and has a strong focus on skills development for working with a variety of groups in diverse settings. These generalist social work skills pertain in particular to group formation, group participation, group leadership, and group termination. Prerequisite: SW302 Generalist Social Work Practice Methods II or permission of instructor. Co requisite: SW485a Field Instruction II.

**SW404** (3)  
**GENERALIST SOCIAL WORK PRACTICE METHODS IV** SP  
This is the fourth in a series of four social work practice methods courses. It offers theories underlying generalist social work practice and emphasizes skills development for working with families, couples and individuals. A broad range of assumptions, concepts, and principles are examined and applied in the development of generalist social work skills which are required to work effectively with families, couples, and individuals of diverse ethnic and cultural backgrounds. Prerequisites: SW403 Generalist Social Work Practice Methods III or permission of instructor. Co requisite: SW485b Field Instruction II.

**SW406** (3)  
**SOCIAL POLICY** FA  
This course focuses on the analysis of current social policy within the context of historical and contemporary factors that shape policy in U.S. territories. Attention is given to the political and organizational processes used to influence policy, the process of policy formulation, frameworks for analysis, and skills needed for policy practice.

**SW408** (3)  
**ADVOCACY FOR SOCIAL JUSTICE** SP  
This course prepares students to actualize policy and advocacy in different contexts in order to improve social conditions and promote social justice and human rights.

**SW410** (3)  
**SOCIAL WELFARE AND SOCIAL DEVELOPMENT IN MICRONESIA** F  
This course considers the history of traditional and contemporary approaches to social welfare and social development in Guam and the region.

**SW480** (3)  
**FAMILY VIOLENCE** S/Odd Years  
This course examines family violence and family resilience in Guam and the region from a cross-cultural, gender, and interdisciplinary practice perspective. Students learn about issues of family violence from the viewpoints of victims, member of their extended family, perpetrators, and those who intervene drawing from actual cases, practice experiences, and current data, information and research.

**SW485a** (3)  
**FIELD INSTRUCTION II** F  
Each student collaborates with her/his assigned field instructor to develop and carry out an individual learning contract for beginning generalist practice, with an emphasis on direct practice with groups, communities or organizations, through 165 field contact hours and 15 in-class seminar hours. It is restricted to BSW students. Prerequisite: SW385.

**SW485b** (3)  
**FIELD INSTRUCTION II** SP  
Each student collaborates with her/his assigned field instructor for advanced generalist practice, to include both micro- and macro-practice, through 165 field contact hours and 15 in-class seminar hours. It is restricted to BSW students. Prerequisite: SW485a



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## THEATER (TH)

**TH101** (3)  
**INTRODUCTION TO THE THEATER** F/SP  
This course introduces the study of theater. Course lectures include theater history and production practices. Attendance at University Theater productions is mandatory. Active participation in one University Theater production, as cast or crew, is required. (Grading System: A-B-C-D-F-NC).

**TH102** (3)  
**ACTING I** F/SP  
This is an experiential-based course, which prepares students to acquire a crucial understanding of the art of acting and its relationship to dramatic art as a whole. A brief overview of the evolution of acting styles from a classical external-based approach to a modern internal-based approach may be introduced to further enhance the student's awareness and appreciation of the development of acting.

**TH105** (3)  
**STAGECRAFT** F/Even Years  
This is an introduction to stagecraft with practical work in the scene shop and on University Theater productions. It consists of two one-hour lectures and one three-hour afternoon workshop each week.

**TH202** (3)  
**ACTING II** SP/Even Years  
Acting II is a continuation of TH102. It offers continued work on character development, scene study, and moves into advanced improvisational techniques. Prerequisite: TH102 (with grade of "B" or better) or Consent of Instructor.

**TH205** (3)  
**STAGE MANAGEMENT** F/Odd Years  
This is an introduction to the organization of live performing organizations and the effective management of performing artists. Students will analyze scripts, prepare prompt books and gain practical experience on a University Theater production.

**TH292** (1)  
**THEATER PRACTICUM** F/SP  
This course offers supervised participation in a University Theater production. Students gain practical experience while exploring the various areas of theater production. It may be repeated for credit. Prerequisite: Must be a Fine Arts/Theater major or minor or have consent of instructor.

**TH308** (3)  
**DIRECTING** F/Odd Years  
This course includes selecting, analyzing, casting and rehearsing a one-act play performed for a selected audience. Prerequisite: TH202 or consent of instructor.

**TH315** (3)  
**SCENIC DESIGN** SP/Even Years  
This is an exploration of the principles and elements of theatrical design with an emphasis on scenery design and painting. Students will complete design projects, build models and work with paint elevation.

**TH316** (3)  
**LIGHTING DESIGN** SP/Odd Years  
This is an exploration of the principles and elements of theatrical design with an emphasis on lighting design and sound technology. Students learn the technology involved in live lighting and sound production and generate design projects.

**TH425** (3)  
**THEATER HISTORY I** F/Even Years  
This is a comprehensive survey of Western and Oriental Theater from earliest times to 1700.

**TH426** (3)  
**THEATER HISTORY II** SP/Odd Years  
This is a comprehensive survey of Western and Oriental Theater from 1700 to the present.

## WOMEN AND GENDER STUDIES (WG)

**WG101** (3)  
**INTRODUCTION TO WOMEN AND GENDER STUDIES** F/SP/DE  
This course provides an introduction to basic concepts and key issues in women and gender studies, utilizing a life-span approach. Topics include gender socialization and identity formation, sexuality, cultural representations, gender relations, family, work, class stratification, violence, constructions of masculinity, and oppression, as well as racial and cultural diversity.

**WG201** (3)  
**GENDER AND SOCIETY** F/DE  
Using the slogan, 'the personal is political' as a guiding principle, this course investigates some of the predominant trends in feminist research, thought and activism historically as well as in contemporary society focusing specifically on the dynamics of individual experience and collective activities.

**WG/SO230** (3)  
**MARRIAGE AND THE FAMILY** F/SP  
This is a comparative study of family relationships with special attention given to the social and cultural aspects of the family, mate selection, marriage adjustment, parental roles, and family stability. Prerequisites: SO101 or consent of instructor.

**WG/EN323** (3)  
**LITERATURE BY WOMEN** F/DE  
This course explores representative literature by women around the globe and across time. The course reading covers a variety of literary forms which may include the novel, short story, poetry and such non-fiction as essays, journals, and diaries. Students acquire an understanding of these various literary forms and how women writers have used them to express religious, political, social and philosophical concerns. They also are introduced to a growing body of feminist literary theory. This course allows students to gain an understanding of the social-historical place of literature by women. Prerequisite: EN111; any 200-level literature course or consent of instructor.

**WG380 (3)**  
**WOMEN, POLITICS AND POLICY F/Even Years**  
 This course examines the ways in which gender structures the arena of politics and shapes our understanding of it. Students learn how the meaning of “politics” is articulated and transformed by women in different settings at the local, national, regional and international levels. Prerequisite: PS101 or WG101.

**WG391 (3)**  
**SELECTED STUDIES IN WOMEN AND GENDER STUDIES F/DE**  
 This course is dedicated to a specific in-depth investigation of an area of women and gender studies. The course content will vary each time the course is offered and can be taken more than one for credit. Examples include: masculinity, women and art, gay/lesbian/transgender cultures, women’s memoir and life-writing, gender and popular culture, gender and international development, and women, labor and the economy. Prerequisite: WG101.

**WG/PY455 (3)**  
**PSYCHOLOGY OF WOMEN SP**  
 This course offers a study of women through feminist scholarship and research. It is designed to introduce students to the myriad factors influencing the development of girls and women in a variety of cultures and societies, including Micronesia. Areas covered include feminist scholarship and research; gender socialization, women’s biology and (mental) health; sexuality; victimization and abuse; work career, and power issues. Prerequisite: PY101.

**WG/EN/MI461/G (3)**  
**PACIFIC WOMEN WRITERS SP/Odd Years**  
 This course entails an intensive study of representative works of Pacific Women Writers to acquaint students with the contours of this emerging literature in terms of styles, themes, symbols, images, language, politics, and subject. Students will gain an understanding of the place of this literature in the larger context of Pacific Literature, Women’s Literature, Minority Literature and Contemporary Literature in English. Prerequisite: EN111; Any 200-level literature course or consent of instructor.





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UNIVERSITY OF GUAM  
General Education Articulation Matrix

| GenEd Category   | UOG Course Number/Content  | Cr  | COM-FSM   | CMI  | NMC                           | PCC   | GCC                     |
|--|--|---|---|--|-------------------------------|---|-------------------------|
| Category 1   | Essential Skills   | 15  |   |  |                               |   |                         |
|  | English Writing Skills   | 6   |   | (CMI ENG101 = UOGEN100)  |                               |   |                         |
|  | EN 110 Freshman Composition  |   | EN120a  | ENG102   | EN101                         | EN112   | EN110                   |
|  | EN 111 Writing for Research  |   | EN120b  | ENG121   | EN202                         |   | EN111                   |
|  | Communication Skills   | 3   |   |  |                               |   |                         |
|  | CO 210 Fundamentals of Communication                                 |   | EN/CO205  |  | CO210                         | CO110 (formerly ENG200) (for GenEd, but not equivalent to a course) | EN125                   |
|  | Mathematics (Select one from the following)                          | 3   |   |  |                               |   |                         |
| MA110, MA115, MA161A, MA161B, MA165, MA203                 |  | MS101 (for GenEd fulfillment, but not course equivalent)  |   | MA161<br>MA162   | MA111 (PCC-MA100 = UOG MA085) | MA110A,<br>MA161A,<br>MA161B  |                         |
| Statistics/Computer Skills (Select one from the following) | 3  |   |   |  |                               |   |                         |
| CS200, CS201, BA130, BA230, MA151                          |  | MS150, CA100, CA105 (CA105 fulfills category requirement, but is not a direct equivalent to BA130) IS201, IS220 |   | CS103, CS223, 224, 225, 229<br>**NMC also has articulated courses with UOG's CS202, CS305, and CS315 | MA121                         | CS151 (formerly CS150)  |                         |
| Category 2   | The Arts and Creative Expression (Select one from the following)     | 6   |   |  |                               |   |                         |
|  | EN210, EN211, EN212, EN213, EN217, EN218, EN313, EN314, EN323, EN360 |   | EN201, EN205, EN204<br>EN206 (COM-FSM EN206 = UOG EN213)<br>EN214 (EN214 fulfills GE category requirement, but is not assigned a UOG course equivalent) |  | LI150                         | EN189   | EN210                   |
| Category 3   | And select one from the following                                    |   |   |  |                               |   |                         |
|  | AR101, AR102, MU101, MU106, TH101                                    |   | MU101, MU106, EN203<br>AR101  |  | AR101, AR135<br>MU106, DR101  | MU102   | TH101                   |
| Category 4   | Global Studies (Select one from the following)                       | 3   |   |  |                               |   |                         |
|  | AN/SO330, GE201, HI121, HI122, SW201                                 |   | SS170, SS171  |  | GE201<br>HI121, HI122         |   | HI121<br>HI122<br>FA201 |
| Category 4   | The Individual and Society (Select one from the following)           | 6   |   |  |                               |   |                         |
|  | BA110, CO106, GE101, PS100, PS101                                    |   | SS120, SS101<br>EN/ED233 (EN/ED233 articulation with GenEd category, but not course equivalent)   | POL101   | EC211<br>GE101                | SS149 (fulfills GenEd requirement)                                  | EC110                   |
| Category 4   | And select one from the following                                    |   |   |  |                               |   |                         |
|  | AN101, AN212, LN101, LN300, PS202, PY101, SO101, SO202, WG201        |   | SS/PY101<br>SS130   |  | AN101<br>AN105<br>PS110       | SS189<br>SS119<br>SS129   | SO130<br>PY120          |

UNIVERSITY OF GUAM  
General Education Articulation Matrix

| GenEd Category | UOG Course Number/Content  | Cr | COM-FSM   | CMI  | NMC  | PCC   | GCC  |
|----------------|--|----|---|--|--|---|--|
| Category 5     | Modern Languages<br>CI101, CI201, CK101, CM101, CM201, FR101, GN101, JA101, JA105, JA201, JA301, JA401, SN101, TA101   | 8  | (often fulfilled by demonstration of proficiency)   | (often fulfilled by demonstration of proficiency)            | CM101, CM102, JA101, JA102, JA201 (often fulfilled by demonstration of proficiency)              | (often fulfilled by demonstration of proficiency)<br>JP109, 119, 209, 219                                 | JA110, JA111<br>ASL100, ASL105,<br>ASL110, ASL120,<br>ASL130, ASL140<br>CH110, CH111 |
| Category 6     | Personal Development<br>(Select one from the following)<br>CF230, CF231, HS200, PE124, PE125<br>PE220, PY100   | 3  | SS/ED285 (for GE but not equivalent to a course)<br>ESS200  |  | HE200<br>PE202   | HP180, 181  | HL202; PY100   |
| Category 7     | Regional Studies<br>(Select one from the following)<br>AN320, AN325, AN/EN333, AN421, BI201, ED265, GE 401, HI211, HI243, HI371, HI372, HI444, PS225, PS412, PY475, SW110, SW410           | 3  | SS150<br>SS220* (for GE but not equivalent to a course)<br>SS195* (for GE but not equivalent to a course) |  | HI255  |   | HU120<br>FA110   |
| Category 8     | The Sciences<br>(Select 8 credits from the following)<br>Take any course that are in the following subjects: AG, BI, CH, NS, PH<br>OR AN222, AN360, CF325 (must take lab)<br>CF325L, GE203 | 8  | SC120, SC130, SC230, SC240, AG101<br>MR240 (4 credits, equivalent to UOG BI212/BI212L)                    | SC1120 (4 credits) (another 4 credit course with lab needed) | BI100, BI101, BI103, BI225, BI251, BI252; CH100, CH101; CH124, NS101 (each is a 4 credit course) | SC109 & SC110 (only fulfills GenEd) SC119, 129, AG111, 209, 219 (another 4 credit course with lab needed) | SI110, SI103   |
| Category 9     | The Search for Meaning<br>(Select one from the following)<br>Any Philosophy Course (PI), PS326, WG101  | 3  | EN208   |  | PI201  | PH169   | PI101  |

Articulation Matrix of UOG Non-General Education Courses

| UOG Course Number | UOG Course Title                           | COM-FSM Course                        | CMI Course   | NMC Course                     | PCC Course                             | GCC Course   |
|-------------------|--|---------------------------------------|--|--------------------------------|--|--|
| BA200             | Principles of Financial Accounting         |                                       |  | AC220 Accounting Principles I  |  | AC211 Accounting Principles I (formerly AC101)               |
| BA201             | Principles of Managerial Accounting        |                                       |  | AC221 Accounting Principles II |  | AC212 Accounting Principles II (formerly AC102 and AC103)    |
| BI103/201         | Marine Biology or Natural History of Guam  | SS/SC115                              |  |                                |  |  |
| CJ Elective       |  |                                       | CJ103 Juvenile Delinquency<br>CJ150 Constitutional Law<br>CJ200 Criminal Law |                                |  | see program-to-program notation below                        |
| CO350             | Public Speaking                            |                                       |  |                                | CO259 Principles of Effective Speaking |  |
| ED110             | Intro to Teaching                          | ED210 Intro to Teaching               |  |                                | ED110 Introduction to Teaching         | ED150 Introduction to Teaching                               |
| ED192             | Observation & Participation: Practicum     | ED392 Practicum and Seminar           |  |                                |  | ED292 OR<br>CD292 Education Practicum<br>OR<br>ECE Practicum |
| ED201             | Human Growth and Development               | ED/PY201 Human Growth and Development |  |                                | ED201 Human Growth & Development       | ED220 Human Growth and Development                           |
| ED215             | Introduction to Exceptional Individuals    |                                       |  |                                |  | ED231 Introduction to Exceptional Children                   |
| ED251             | Development in Early Childhood             |                                       |  |                                |  | CD221 Child Growth and Development                           |
| ED280             | Introduction to Bilingualism/Biculturalism |                                       |  |                                |  | ED281 Bilingual/Bicultural Education                         |
| ED300             | Educational Psychology                     | ED/PY300 Educational Psychology       |  |                                |  |  |

Articulation Matrix of UOG Non-General Education Courses

| UOG Course Number | UOG Course Title   | COM-FSM Course                             | CMI Course                      | NMC Course | PCC Course                 | GCC Course                               |
|-------------------|--|--|---------------------------------|------------|----------------------------|--|
| ED319             | Children's Literature  | ED305 Children's Literature and Drama      |                                 |            |                            |  |
| ED333             | Creative Arts in Early Childhood<br>*Does not fulfill upper division credit requirements |  |                                 |            |                            | CD240 Cognitive and Creative Development |
| ED350             | Strategies for the Elem Classroom  | ED330 Classroom Management                 |                                 |            |                            |  |
| ED351             | Fine Art Methods: Elem   | ED351 Fine Art Methods: Elem               |                                 |            |                            |  |
| ED352             | PE Methods: Elem   | ED352 PE Methods: Elem                     |                                 |            |                            |  |
| ED353             | Social Studies Methods: Elem   | ED302 Social Studies Methods               |                                 |            |                            |  |
| ED354             | Science Methods: Elem  | ED304 Science Methods                      |                                 |            |                            |  |
| ED355             | Language Arts Methods: Elem  | ED301a Language Arts Methods               |                                 |            |                            |  |
| ED356             | Math Methods: Elem   | ED303 Math Methods                         |                                 |            |                            |  |
| ED357             | Reading Methods: Elem  | ED301b Reading Methods                     |                                 |            |                            |  |
| ED446             | Include. Children with Disabi. In Reg Clrm   | ED338 Teaching Students with Special Needs |                                 |            |                            |  |
| EN 100            | Fundamentals of College English  |  | ENG101 English Composition I    |            |                            |  |
| HI201/202         | Early America or Modern America  | SS160 US History I                         |                                 |            |                            |  |
| LW101             | Introduction to Criminal Justice   |  | CW101 Intro to Criminal Justice |            |                            | CJ100 Introduction to Criminal Justice   |
| LW202             | Trial and Evidence   |  |                                 |            |                            | CJ150 Constitutional Law for Police      |
| LW306             | Criminal Justice   |  |                                 |            |                            | CJ200 Criminal Law                       |
| LW311             | Correctional Security and Administration   |  |                                 |            |                            | CJ107 Introduction to Corrections        |
| MA085             | Fundamentals of Mathematics  | MS100 College Algebra                      |                                 |            | MA100 Intermediate Algebra |  |

**Articulation Matrix of UOG Non-General Education Courses**

| <b>UOG Course Number</b>  | <b>UOG Course Title</b>                      | <b>COM-FSM Course</b>  | <b>CMI Course</b>                 | <b>NMC Course</b> | <b>PCC Course</b> | <b>GCC Course</b>  |
|---|--|--|-----------------------------------|-------------------|-------------------|--|
| PS202   | Government in the United States              |  |                                   |                   |                   | PS140 American Government  |
| PY190   | Special Topics in Psychology                 |  | PSY101 Introduction to Psychology |                   |                   |  |
| SO101   | Introduction to Sociology                    |  |                                   |                   |                   | SO130 Introduction to Sociology  |
| SO385   | Criminology                                  |  |                                   |                   |                   | CJ204: Introduction to Criminology (Applicable only to UOG CJ Program) |
| SO386   | Juvenile Delinquency                         |  |                                   |                   |                   | CJ101: Juvenile Justice Process (Applicable only to UOG CJ Program)    |
| SW110   | Intro to Community Services on Guam          |  |                                   |                   |                   | FA110: Intro to Community Services on Guam                             |
| SW201   | Social Welfare and Development: A World View |  |                                   |                   |                   | FA201: Social Welfare and Development: Global Challenges               |
|   | Art or Music or Theater                      | EN203 Drama  |                                   |                   |                   |  |
| <b>For the UOG-COM-FSM Third Year Program Agreement in the Business Admin Bachelors Degree, Accounting Concentration:</b> |  |  |                                   |                   |                   |  |
| <b>Accounting Major Courses</b>   |  |  |                                   |                   |                   |  |
| BA300   | Intermediate Accounting I                    | AC320 Intermediate Accounting I  |                                   |                   |                   |  |
| BA301   | Intermediate Accounting II                   | AC321 Intermediate Accounting II   |                                   |                   |                   |  |
| BA304   | Income Taxation                              | AC330 Taxation I   |                                   |                   |                   |  |
| BA305   | Cost & Managerial Accounting                 | AC325 Cost Accounting<br>BU/MS310 Applied Statistics<br>(also required under the General Business Major Courses) |                                   |                   |                   |  |
| BA310/ BA385  | Applied Statistics for Business Decisions    |  |                                   |                   |                   |  |

Articulation Matrix of UOG Non-General Education Courses

| UOG Course Number  | UOG Course Title                                   | COM-FSM Course                                      | CMI Course | NMC Course | PCC Course | GCC Course |
|--|--|---|------------|------------|------------|------------|
| BA401  | Governmental Accounting                            | AC335 Governmental & Nonprofit Accounting           |            |            |            |            |
| BA405  | Internship (Accounting)                            | AC370 Accounting Internship                         |            |            |            |            |
| General Business Major Courses   |  |   |            |            |            |            |
| AG/PA 401  | Community Planning                                 | ECO320 Economic Development                         |            |            |            |            |
| BA323  | Corporate Finance                                  | FIN312 Corporate Finance                            |            |            |            |            |
| BA440  | Organizational Behavior                            | MGT320 Organizational Behavior                      |            |            |            |            |
| BA341  | Int'l Business Environment                         | MGT350 International Business                       |            |            |            |            |
| BA481  | Practical Application in Small Business Management | MGT360 Entrepreneurship & Small Business Management |            |            |            |            |
| BA463  | Marketing Management                               | MKT311 Marketing Strategy                           |            |            |            |            |
| Program-to-Program Articulation Agreements with Guam Community College |  |   |            |            |            |            |

For Program-to-Program articulation for GCC **Liberal Studies** program with UOG's Interdisciplinary Arts and Sciences Program see [http://www.uog.edu/admin/assetmanager/images/senior%20vice%20president/uog\\_gcc\\_ias\\_program\\_to\\_program\\_briefing\\_final.pdf](http://www.uog.edu/admin/assetmanager/images/senior%20vice%20president/uog_gcc_ias_program_to_program_briefing_final.pdf)

For Program-to-Program articulation for GCC **Criminal Justice** program with UOG's Criminal Justice Program see [http://www.uog.edu/admin/assetmanager/images/senior%20vice%20president/uog%20response%20to%20gcc%20request%20for%20program%20to%20program%20cj%20articulation\\_signed.doc.pdf](http://www.uog.edu/admin/assetmanager/images/senior%20vice%20president/uog%20response%20to%20gcc%20request%20for%20program%20to%20program%20cj%20articulation_signed.doc.pdf)

For Program-to-Program articulation for GCC **Education** program with UOG's Education Program see [http://www.uog.edu/admin/assetmanager/images/senior%20vice%20president/uog\\_gcc\\_ed%20program\\_to\\_program\\_briefing\\_final.pdf](http://www.uog.edu/admin/assetmanager/images/senior%20vice%20president/uog_gcc_ed%20program_to_program_briefing_final.pdf)

# University of Guam Campus Map



- |   |  |
|---|--|
| 1. Business Office / Human Resources Office   | 10. Science Building   |
| 2. School of Business and Public Administration / Executive Offices/Small Business Development Center | 10a. Science Building Annex  |
| 3. School of Education  | 11. College of Liberal Arts & Social Sciences Humanities & Social Sciences |
| 4. Student Center/Food Court/Post Office/EMSS Dean's Office/SGA Office                                | 12. CLASS Lecture Hall   |
| 5. RFK Memorial Library   | 13. CLASS English and Communication  |
| 6. Computer Center/Professional & International Programs  | 14. Fine Arts Building   |
| 7. Micronesian Area Research Center   | 15. College of Natural & Applied Sciences                                  |
| 8. School of Nursing & Health Sciences / Graduate Studies, Sponsored Programs and Research            | 16. WERI   |
| 8a. School of Nursing & Health Sciences Annex   | 17. Marine Lab   |
| 9. Warehouse A and B / Professional & International Programs / Mathematics                            | 18. Field House  |
|   | 19. Dorm 1 / TRIO Programs / UOG Army ROTC                                 |
|   | 20. Dorm 2 / EEO/ADA Office / Student Housing Office                       |
|   | 21. Dorm   |
|   | 22. Plant Maintenance Shop   |

# UNIVERSITY OF GUAM



# UNIBETSEDÁT GUAHAN



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