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| **Course:** | MA115-05 Introductory College Algebra |
| **Semester:** | Fanuchånan (Fall) 2024 |
| **Meeting:** | TTH 4:00 p.m. – 5:20 p.m., Lecture, On-Campus, WB, Rm 1 |
| **Instructor:** | Connie Mallada |
| **Telephone:** | (671) 735-2825/(671) 727-7081 |
| **Email:** | malladac@triton.uog.edu |
| **Office Hours:** | 3:00 p.m. – 3:55 p.m. (TTH) or by appointment |

**Text:**
*Connally, Eric, Hughes-Hallett, Deborah, and et al. Algebra, Form and Function. Boston: Wiley, 2015.*

**Catalog Course Description:**
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: MA085B Level II, completed within the previous 3 semesters, or placement.

## Rationale for Offering Course:
The purpose of an Introductory Algebra course is to prepare students for success in MA161A, and MA165. The student is asked to solve problems similar to those encountered in Elementary Algebra, but at a more sophisticated, more difficult level. This helps the student to absorb and understand the underlying concepts better and to feel more comfortable with the material. It also improves retention of basic algebraic techniques and ideas. Introductory Algebra is the course in which students are introduced to inverse functions, exponential functions, and logarithmic functions. A basic understanding of these concepts is critical for success in any college level mathematics course, as well as in physics, chemistry, economics, biology, and many other subjects.

**Learning Objectives for Students:**

- Demonstrate enhancement of basic fluency, in routine operations of elementary algebra.
- Graph and sketch linear, quadratic, polynomial, rational, exponential and logarithmic functions.
- Show facility with the analytic treatment of linear, quadratic, polynomial, rational, exponential and logarithmic functions.
- Exhibit evidence of a through acquaintance with exponential and logarithmic functions and with applications of these functions in such fields as the mathematics of personal finance, biology and physical science.
- Formulate equations from quantitative data, given verbally; use learned algebraic methods to solve simultaneous sets of linear equations, to include the introductory use of elementary matrix methods.

**Calculators:**
You are required to have a scientific calculator in class and graphing calculators are strongly recommended. Only standalone calculators will be allowed on quizzes and tests. Standalone calculators are devices whose only intended purpose of use is to be a calculator and it must not have any internet, phone, or messaging capabilities. When calculator use is permitted, complete work for a problem is still expected. Please note that calculators are not to be shared during assessments, as this act constitutes as a form of cheating.

**Attendance:**
Students are expected to attend every scheduled class. It is the student's responsibility to keep informed of any announcements, syllabus adjustments or policy changes made during scheduled classes. Attendance will be taken during scheduled meeting time.

**Grading:**
Quizzes will account for **30%** of your final grade while Tests will account for **70%** of your final grade. Your final letter grade will be determined by the following breakdown:

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| **A+** 98-100% 4.00<br>**A** 93-97% 4.00<br>**A-** 90-92% 3.67 | **B+** 87-89% 3.33<br>**B** 83-86% 3.00<br>**B-** 80-82% 2.67 | **C+** 77-79% 2.33<br>**C** 70-76% 2.00 | **D** 69-60% 1.00 | **F** 59-0% 0.00<br>**P** Pass<br>**I** Incomplete |

**Homework:**
Homework will be assigned regularly. Homework is an essential component of the course. To be successful, a student must complete all assigned homework even if it is not collected or graded.

**Quizzes:**
There will be **(11)** quizzes. There will be **NO MAKE-UP** for quizzes. If you miss a quiz, your grade for that quiz is zero. Instead, **TWO** lowest quiz scores will be dropped. The main purpose of the quiz is to let you prepare for the "bigger" tests. Use pencils only! Submission will be face to face unless arrangements are made by the instructor.

**Tests:**
There will be **(3)** Tests. There will be **NO MAKE-UP** for Tests. Use pencils only! It is crucial to do well on tests. Missing any single test will result in grade F. Very special circumstances will be handled very specially by consultation with the instructor. Except for true emergencies, these special cases are arranged in advance with the instructor. Submission will be face to face unless arrangements are made by the instructor.

**Curriculum Mapping:**

| **Course SLOs** | **Math PLOs** | **UOG ILOs** | **Method of Assessment** |
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| SLO 1: Perform algebraic operations on integers, fractions, decimals and expression involving variables. | 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. (at basic | ILO 1: : Mastery of critical thinking & problem solving<br>ILO 2: Mastery of quantitative analysis (at basic level) | Quizzes, Tests, Group work discussions |

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| | level) | | |
| SLO 2: Generate graphs of linear equations, inequalities, and systems of equations. | 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. (at basic level) | ILO 1: : Mastery of critical thinking & problem solving<br>ILO 2: Mastery of quantitative analysis (at basic level) | Quizzes, Tests, Group work discussions |
| SLO 3: Use algebraic representations to solve real-life applications and problems. | 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. (at basic level) | ILO 1: : Mastery of critical thinking & problem solving<br>ILO 2: Mastery of quantitative analysis (at basic level) | Quizzes, Tests, Group work discussions |

**Tobacco-Free/Smoke-Free/Vape-Free Campus:**
University of Guam is a tobacco-free/vape-free campus. Thank you for not using tobacco/vape products on campus, and for helping make UOG a healthy learning and living environment. http://www.uog.edu/smoke-free-uog

**Academic Integrity Policy:**
Academic Integrity is about performing in your role as student in ways that are honest, trustworthy, respectful, responsible, and fair (see www.academicintegrity.org for more information). As a student, you will complete your academic assignments in the manner expected by the instructor. Academic dishonesty, including but not limited to cheating and plagiarism may result in a consequence defined in the UOG Student Handbook.

**Plagiarism Statement**
The term "plagiarism" includes, but is not limited, to, the use, by paraphrase or direct quotation, of the published or unpublished work of another person without full and clear acknowledgment. It also includes the unacknowledged use of materials prepared by another person or agency engaged in the selling of term papers or other academic materials (UOG Student Handbook, p. 49). Cases of plagiarism are referred to the Student Discipline and Appeals Committee. In this course this penalty for plagiarism is [up to the instructor – the most common penalties are no credit for the assignment or failure in the course].

**Communication Policy**
University policy states that official communications will be sent using university assigned (@gotriton or @triton) email addresses. University electronic mail and messaging is to be used to enhance and facilitate teaching, learning, scholarly research, support academic experiences, and to facilitate the effective business and administrative processes of the University. (OIT policy manual, 3.10, p. 36)

**Notification of Rights Under FERPA**
The Family Educational Rights and Privacy Act (FERPA) affords students certain rights with respect to their education records. These rights for students, parents and school officials can be viewed at http://www2.ed.gov/policy/gen/guid/fpco/ferpa/index.html.

**EEO/ADA Statement**
The University 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. If you experience harassment or discrimination, then you should report it immediately to the EEO/ADA &Title IX Office, Institutional Compliance Officer (671) 735-2244 located in Dorm 1. For immediate assistance in an emergency call 911.

For individuals covered under the ADA (Americans with Disabilities Act), if you are a ***student*** with a disability requiring academic accommodation(s), please contact the Disability Support Services Office to discuss your confidential request. A Faculty Notification letter from the Disability Support Services counselor will be provided to me. To register for academic accommodations, please contact or visit Sallie S. Sablan, DSS counselor in the School of Education, office 110, disabilitysupport@triton.uog.edu or telephone/TDD 671-735-2460.

Office Hours: Monday/Wednesday 9:00–noon and 1:00–3:30; Friday by appointment only
Office Phone Number/TTY: 671-735-2460
To schedule an appointment at https://calendly.com/sssablan
Email address: sssablan@triton.uog.edu

Scheduled appointments preferred.

**CollegeNET Course Evaluations:**
The student course and faculty evaluations for courses will be administered at the completion of the semester (**Nov 25 – Dec 13)** within CollegeNet. Student participation is essential and appreciated. Student responses are anonymous and cannot be traced back to individual students. You will need your WebAdvisor login credentials to complete the evaluation. If you experience login issues please refer inquiries to OIT staff to assist at 735-2630/40.

Completion of course evaluations may be substituted as extra-credit towards Test 3 per instructor's discretion and upon proof of completion.

**Tutoring:**
**UOG Math Tutor Lab**: Students may contact at (671) 735-2064, via email at mathtutorlab@triton.uog.edu. You may also visit the website at www.uogmathlab.org.

Hours of Operation are:

- Monday - Friday from 9:00AM – 5:00 PM

The Math Tutor Lab is located in room ALS 230 at the Agriculture & Life Sciences Building. Walk-in or schedule an appointment for in-person or online math tutoring! All online services will be conducted via Zoom.

| Moodle Course Code | Enrollment Key |
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| | Please Note: The Enrollment Key is CASE SENSITIVE, and there are NO spaces before and after the enrollment key. |
| MA-115-05-FA24 | FA24CM-G3NtH5 |

**Contacts:**
Write the names and contact information of classmates you can contact if you miss a session or want to study together. Study groups are highly encouraged!

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| Name: _____<br>Email: _____<br>Phone: _____ | Name: _____<br>Email: _____<br>Phone: _____ |
| Name: _____<br>Email: _____<br>Phone: _____ | Name: _____<br>Email: _____<br>Phone: _____ |

**Disclaimer:** This syllabus is subject to change