UNIVERSITY OF GUAM
UNIBETSEDÅT GUAHAN

COLLEGE OF NATURAL & APPLIED SCIENCES
Division of Mathematics & Computer Sciences

Moodle Enrollment Key:

Course: MA115 Introductory College Algebra (3 credits)
Semester: Fanuchanan (Spring) 2024
Meetings: Section 04: TTh 11:00 – 12:20

Room: SC120

Instructor: Gino Reyes
Office: TBD
Telephone: (671) 480-1109
Email: reyesg11029@triton.uog.edu (best way to contact me)

Office hours: TBD

Catalog 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: MA085 Level II, completed within the previous 3 semesters, or placement.

Text:
"ALGEBRA, FORM & FUNCTION", Eric Connally/Deborah Hughes-Hallett et.al, ISBN 978-0470-52143-4, published by Wiley and Sons.

Rationale for Course:
Satisfies general education requirements. Required for STEM (science, technology, engineering, mathematics) majors. Prepares students for precalculus and other upper-level mathematics courses, as well as courses in other STEM disciplines such as physics, pre-engineering, chemistry, and biology.

COVID Statement
The University of Guam is experiencing continued disruption to delivery of instruction during the global coronavirus pandemic. The University will follow executive orders and may be forced to close again, causing more modifications as the semester progresses. All changes will be posted on the UOG website www.uog.edu.

- Contact Office of Information Technology at 735-2630 or oit@triton.uog.edu
- Contact the Triton Advising Center at 735 – 2271 or tac@triton.uog.edu
- Contact Uplift Counseling Services at 787-7978 or uplift@westcare.com
- Contact Project Tulaika Mental Health Services at 647-5317; 647-1901; 647-5440; 647-8833/34 or care@gbhwc.guam.gov

Calculator:
A scientific or graphing calculator is required for this class. Smartphones or any other smart device (watches, iPads, etc.) **may not** be used as a calculator.

Moodle:
All grades for quizzes, exams, and in-class work will be updated regularly on moodle. Additional resources for the course will be uploaded on moodle as well.

Evaluation:

10% Attendance and Participation
15% Quizzes
25% Exam 1
25% Exam 2
25% Final Exam

100% Total percentage

Letter grades will be assigned per the UOG Catalog:

A+	98 – 100%		B+	87 – 89%		C+	77 – 79%
A	93 – 97%		B	83 – 86%		C	70 – 76%
A-	90 – 92%		B-	80 – 82%		D	60 – 69%
						F	< 60%

Attendance and Participation:
Students are highly expected to attend every class meeting. Attending class is mandatory as in-class assignments will be given on each class meeting. If you are going to be absent, please inform the instructor with along with an excuse. Please let the instructor know ahead of time if you need to leave the class early unless the reason for leaving is an emergency. **More than 6 UNEXCUSED absences** will result in a failure for this course.

Make-up policy:
Make-up for quizzes and exams may be given only for **extenuating circumstances**. For example, you have to go off-island, you will be hospitalized or under serious medical treatment, deployment, etc..

Homework:
Homework will be given occasionally. Problems will mainly be sourced from the course text relating to topics learned on the day the homework is assigned. Although homework is not graded, all quizzes will be based on homework, so students are expected to do them anyway.

Quizzes:
Quizzes will be given about once a week at the beginning of class, so try your best to come into class on time. Questions on a quiz will cover 2-4 sections of the book. The **3 Lowest Quiz Scores** will be dropped.

Your Math Resources: Office Hours, Math Tutor Lab, TRiO
There are several campus resources available to you if you need extra help with any of the course material.

- **Your instructor!** Find me via email during scheduled office hours or email me to set up an appointment to meet at another time if you cannot make my office hours. We can set up an audio or video call as well, to help you with whatever questions you may have.
- **The Math Tutor Lab!** The CNAS Math Tutor Lab is available for online appointments via Zoom. Students can book an appointment at the tutor lab website uogmathlab.org. For more information, please email mathtutorlab@triton.uog.edu or visit the tutor lab website.
- **TRiO!** The TRiO Programs offers tutoring services to students who meet certain eligibility requirements. TRiO will continue with online tutoring services – be sure to check out their website http://www.uog.edu/trio-programs-home.

UOG Disabilities Policy:

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 offers reasonable accommodations for a student or applicant who is otherwise qualified, if the accommodation is reasonable, effective and will not alter a fundamental aspect of the University's program nor will otherwise impose an undue hardship on the University, and/or there are not equivalent alternatives. Students are expected to make timely requests for accommodation, using the procedure below.

Disability Support Services (DSS) Office – Accommodation Services

If you are a student with a disability who will require an accommodation(s) to participate in this course, please contact the Disability Support Services office to discuss your specific accommodation needs confidentially. You will need to provide me with a Faculty Notification letter from the DSS counselor. If you are not registered, you should do so immediately at the Student Center, Rotunda office #6, ph/TTY: 671-735-2460, or uogdss@triton.uog.edu to coordinate your accommodation request.

To schedule an appointment on BOOK IT; https://sssablan.youcanbook.me

Office: Student Center Rotunda Office #6
Office Hours: Monday/Wednesday 9:00–noon and 1:00–3:30; Friday by appointment only
Office Phone Number/TTY: 671-735-2460
Email address: sssablan@triton.uog.edu

Academic Integrity Policy:
Professional and ethical conduct is expected at all times. Unethical conduct includes any form of cheating, including plagiarism. The term "cheating" includes, but is not limited to: (1) use of any unauthorized assistance in taking quizzes, tests, or examinations, e.g., looking at other students' answers, using crib notes (including electronic), getting information from another person via any kind of communication; (2) dependence upon the aid of sources beyond those authorized by the instructor in writing papers, preparing reports, solving problems, or carrying out other assignments; or (3) the acquisition, without permission, of tests or other academic material belonging to a member of the University faculty or staff. If you need to use an electronic translator, you must discuss this with me in advance. All assignments and tests must be your own work. Answers you write on the tests must come only from in your head or the information supplied in the test papers; anything else is cheating. Any evidence of cheating will result in a "0" for that assignment and/or exam or possibly an "F" for the entire course – final decision to be determined by me, the course instructor.

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.

Tobacco-free/Smoke-free/Vaping-free campus:
UOG is a tobacco-free/smoke-free, vaping/e-cigarette free campus. Thank you for not using tobacco products or e-cigarettes on campus, for helping to fight cancer, and for helping make UOG a healthy learning and living environment.

Disclaimer:
This syllabus is subject to change. By staying registered on this course, you accept the terms of this syllabus.

MA115 – Tentative Schedule for Fall 2024
Chapter 1-4: August 15~September 17
Chapter 5-8: September 24~October 29
Chapter 8~10: October 05~December 10

MA115 – Tentative Test Schedule for Fall 2024
Exam 1: September 19, 2024
Exam 2: October 31, 2024
Final: December 12, 2024

Curriculum Mapping:

Course SLOs	Math PLOs	UOG ILOs	Method of Assessment
SLO1	PLO1, PLO4	ILO1, ILO2	Questions on quizzes and tests. Classroom discussions.
SLO2	PLO1, PLO4	ILO1, ILO2	Questions on quizzes and tests. Classroom discussions.
SLO3	PLO1, PLO3, PLO4	ILO1, ILO2	Questions on quizzes and tests. Classroom discussions.
SLO4	PLO1. PLO3, PLO4	ILO1, ILO2	Questions on quizzes and tests. Classroom discussions.
SLO5	PLO1. PLO2, PLO3	ILO1, ILO2, ILO3, ILO5	Questions on quizzes and tests. Classroom discussions.
SLO6	PLO1, PLO2, PLO3, PLO4, PLO5	ILO1, ILO2, ILO3, ILO5, ILP6	Questions on quizzes and tests. Classroom discussions.

Student Learning Outcomes (SLOs)
SLO 1: Demonstrate enhancement of basic fluency, in routine operations of elementary algebra.
SLO 2: Graph and sketch linear, quadratic, polynomial, rational, exponential and logarithmic functions.
SLO 3: Show facility with the analytic treatment of linear, quadratic, polynomial, rational, exponential and logarithmic functions.
SLO 4: Exhibit evidence of a thorough 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.
SLO 5: 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.
SLO 6: Apply basic optimization techniques to selected problems arising in various fields such as physical modeling, economics, and population dynamics.

Program Learning Outcomes (PLOs)

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.

Institutional Learning Outcomes (ILOs)

ILO 1: Mastery of critical thinking and
problem solving
ILO 2: Mastery of quantitative analysis
ILO 3: Effective oral and written communication
ILO 4: Understanding & appreciation of culturally diverse people, ideas & values in a
democratic context
ILO 5: Responsible use of knowledge, natural resources, and technology
ILO 6: An appreciation of the arts & sciences
ILO 7: An interest in personal development & lifelong learning