

**Course:** Fundamentals of Mathematics – MA085A-01 (3 non-degree units)

**Semester:** Fanuchănan 2024

**(F2F)** **Meetings:** **Lecture** **Testing/Workshop - F 4:00pm-5:20pm**  
**Monday/Wednesday** **4:00pm-5:20pm** in Warehouse B Room 3 (Lecture)

**Friday** **4:00pm-5:20pm** in Warehouse B Room 3 (Tutoring/Testing Workshop)  
**Final Exam** **Dec 11, 4:00pm-5:50pm** in Warehouse B Room 3 (Same as Lecture Room)

**Instructor:** Chelo Marie M. Paulino, MBA, MAT

**Office Hours:** MW 5:20pm-5:30pm  
6:50pm-7:25pm

**Email:** paulinocm@triton.uog.edu

### **Catalog Description:**

This course is a study of the fundamental concepts of high school mathematics, including arithmetic and algebra. This course is **lecture-based** with laboratory sessions designed to provide the background necessary for advancement in mathematics. It includes 3 lecture hours and 1½ hours of laboratory for review/testing sessions weekly.

Grades for MA085A are A1, B1, C1, D1 or F1.

MA085A students must earn a grade of C1, B1, or A1 before they can enroll in MA085B.

Prerequisite: Mathematics Placement Test

### **Text:**

Fundamentals of Mathematics Level 1 3<sup>rd</sup> Edition (yellow workbook)

You may purchase your workbook at the Triton Bookstore. Please visit <https://store.uog.edu/about> for more information.

### **Class Format:**

Students are expected to complete exercise problems in the workbook and other assignments given for extra practice. During class, students will be highly encouraged to work with one another while still being responsible for their own learning and doing all his/her own work.

### **Content Covered:**

The following are the topics that will be covered in this course.

MA085A		MA085A	
Topic	Title	Topic	Title
1	Whole Numbers	6	Signed Numbers
2	Fractions	7	Operations and Expressions
3	Decimal Numbers	8	Linear Equations
4		9	Applications of Equations
5	Percent		

### **Evaluation:**

Letter	Numerical
A1	90-100%
B1	80-89%
C1	70-79%
D1	60-69%
F1	0-59%

	% Of Final Grade
Topic Tests	80%
Final Exam	20%
<b>TOTAL</b>	<b>100%</b>

### ***Attendance/Lecture:***

Face-to-Face (F2F) ATTENDANCE IS REQUIRED to pass the course. More than six (6) absences, EXCUSED OR UNEXCUSED, will lead to an automatic failure for this course. Given this course's student-centered nature, attendance and participation are of the utmost importance. Satisfactory participation means that you are willing to share your thought processes, questions, and solutions with the class, that you support your classmates by listening and thoughtfully reacting to their ideas, and that you come prepared to the class, so that you can actively participate in class discussions. If you are absent for any reason, please inform me ahead of time. I will provide pre-recorded short videos or [MathAntics](#) videos of the lessons we are going to learn in class. Please watch them before coming to class. During our scheduled class time, we will have guided practice, group work and class discussions.

### ***Homework/ Assignment:***

Homework is an extension of learning in the classroom. It is advisable to read text in our workbook and watch assigned videos on [MathAntics](#) before coming to class, participate during class discussions and group work, and do the homework/assignment after class. Homework is counted as extra-credit worth 5% to be added to your topic tests average. However, it is actually worth 100 percent of your grade since it prepares you for your topic tests and final tests, which are a total of 100%.

### ***Course Deadlines:***

This course meets two (2) days a week, Mondays and Wednesdays including one (1) day, Friday for testing/tutorial. Students are required to spend about 3-4.5 hours of study time/work per week after class. All reading and topic assignments must be completed at 11:59pm (CHamoru Standard Time) on the day they are due. New assignments and announcements will be available at least 48 hours (about 2 days) before the deadline. Answer Keys to [MathAntics](#) exercises and worksheets will be available after the Topic Test Make-up Day. At that time, no assignments for that topic are allowed.

### ***Tests:***

There will be nine (9) topic tests. Each test will cover a single topic. After each topic is covered, the corresponding topic test will be administered on the Friday class—Tutoring/Testing Workshop Session. **Students can take a test of the same topic only once a day** (but can take different topic tests within a day.) **Students will have up to TWO scheduled chances to take each topic test and can take these tests only on the scheduled dates** (see course schedule.) **The instructor will record the best score out of the two trials.** No more than two tests can be taken a day. There are certain Fridays when both a first attempt test and makeup are scheduled. Students must decide for themselves if they want to take either one or both. If both are to be attempted, students must complete both tests in the scheduled 80 minutes of class time; no extra time will be given. Tests will be administered on its scheduled date every Fridays from 4:00pm to 5:30pm in class to ensure academic honesty. Once completed, you will attach your work and submit it to the proctor. Assure that you show your work in






each of the problems and circle or box your final answers to be given credit. Please label your test papers with your name legibly.

### **Final Exam:**

The final exam is cumulative and will include questions from all topics. The final exam will be administered on Wednesday, **December 11 at 4:00pm – 5:50pm in person during class**. Please turn off your cellphones and place them inside your bag and place your bag in front of the class. No use of calculator during the test to ensure academic honesty. Once completed, please verify that you have shown your work and boxed all your final answers to be given credit before turning your test paper in.

### **Technology Requirements:**

Please download the following apps to help you scan your test papers.

- Apple Users: [How to scan documents on your iPhone, iPad, or iPod touch - Apple Support](#)
- Android Users: [14 Best Android Scanner Apps Of 2023 | Save Documents as PDF \(fossbytes.com\)](#) 
- Free Internet Browser: [Mozilla Firefox](#)
- Free PDF Annotation Tool: [Kami Web](#)
- Free Internet Speed Test: [Speed Test](#)

**\*NO CALCULATORS OR OTHER ELECTRONIC DEVICES ARE ALLOWED FOR TESTS AND FINAL EXAM\***



### **Please take note of the following:**

- Be mindful of when quizzes, tests and final exam are scheduled.
- No work, no credit. Box your final answer. If your process is incorrect but you magically got the right answer, it is still wrong.

### **Student Responsibility:**

You are expected to spend a **minimum** of 1- 1½ hours of outside study for each hour inside the classroom. Do not commit the two cardinal sins in a mathematics course: **falling behind and leaving unanswered questions unanswered**. Both will complicate your life and cause a lot of unnecessary stress.

Remember, to succeed in any math class, you will need to put in the appropriate amount of time outside of class. Be an active participant in our learning community. Work on as many practice problems as you can, write down questions you have as you read or work problems, ask questions, request help when you need it, turn all your work in, complete it and on time. You will feel a sense of confidence and accomplishment for all problems you complete and attempt. Practice is the best way to build your math intuition and ensure you have a solid foundation. **Your grade is a direct reflection of the amount of time you put into this class.**

Coursework may be accessed via Moodle. Moodle courses require you to use your [triton.uog.edu](mailto:triton.uog.edu) email. Again, you must use your [triton.uog.edu](mailto:triton.uog.edu) email for this class. All course announcements, critical schedule changes, and communication will go to your triton email. Topic Tests and Final Test must be done Face-to-Face in class on their scheduled dates.

### **The following are some important notes concerning student responsibilities:**

- It is your responsibility to complete the lessons in a timely manner. Do not fall behind. If you do, please make sure you catch up.

- It is your responsibility to complete homework and tests in a timely manner. The answers will be given to check your work. There will be no makeup for the homework once answer sheets are given.
- It is your responsibility to keep hold of any documents/assignments/tests submitted. Always keep your copies.
- It is your responsibility to keep an accurate record of your graded work. Grades on Moodle will be updated as often as possible.
- This course is Face-to-face, however, please check your email regularly for updates and announcements.
- Lastly, it is your responsibility to keep, read and know the contents of this syllabus.

### **Student Support:**

The following is a list of additional resources that students can turn to when they need support.

- Technical problems with UOG (University of Guam) Moodle system? Contact the UOG Moodle Help team by email at [moodlehelp@triton.uog.edu](mailto:moodlehelp@triton.uog.edu) or by phone at (671) 735-2620.
- Problems with [WebAdvisor](#) or [GoTritons student email service](#)? Contact the [UOG Office of Information Technology](#) (aka: The Computer Center) by email at [helpdesk@uog.edu](mailto:helpdesk@uog.edu) or by phone at (671) 735-2630.

### **Your Math Resources: Instructor, Math Tutor Lab**

There are resources available to you if you need extra help with any of the course material.

- **Your instructor!** Make an appointment to meet with me.
- **Mathematics Tutor Lab:** Students are encouraged to schedule Virtual Tutoring (via Zoom) with the [UOG Math Tutor Lab](#). Students can book an appointment at [www.uogmathlab.org](http://www.uogmathlab.org). Students must book an appointment no later than 6PM the day prior to the appointment. Booking a same day appointment is subject to the availability of a tutor. Due to UOG being closed, the tutor lab is unable to answer their phone. Students may contact the tutor lab via email at [mathtutorlab@triton.uog.edu](mailto:mathtutorlab@triton.uog.edu). Please send them an email or visit their website for more information.

### **COVID Statements:**

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](#).

- Contact [Information Technology Office](#) for technical support at 735-2630 or [oit@triton.uog.edu](mailto:oit@triton.uog.edu)
- Contact the [Triton Advising Center](#) at 735-2271 or [tac@triton.uog.edu](mailto:tac@triton.uog.edu)
- Contact [Isa Psychological Services center](#) at 735-2883 or [isa@triton.uog.edu](mailto:isa@triton.uog.edu)

In face-to-face courses, wearing masks and social distancing are highly encouraged and recommended. Wash and sanitize hands frequently. Anyone who has a fever, or any other symptom, should stay home. If you do not comply with these directions, you will be asked to leave, and if you do not, class will be cancelled. Patience, respect, and cooperation are needed from all of us to persist through these uncomfortable times.

### **Academic Integrity Policy:**

[Academic Integrity](#) is about performing your role as a student in ways that are honest, trustworthy, respectful, responsible, and fair. As a student, you will complete your academic assignments as

expected by the instructor. In line with the goal of developing ethical professionals, students must adhere to honesty on quizzes, exams, and assignments. Absolutely no credit/points will be granted for work where cheating (quizzes/exams) and plagiarism are observed. Academic dishonesty, including, but not limited to, cheating and plagiarism, may result in suspension or expulsion from the University. Refer to the [UOG Student Handbook and Code of Conduct](#) for more information.

### **Notification of Rights Under FERPA:**

The [Family Educational Rights and Privacy Act \(FERPA\)](#) affords students, parents, and school officials certain rights with respect to their education records.

### **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 based on 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.

### **ADA Accommodation Services:**

If you are a student with a disability who will require 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](mailto: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](mailto:sssablan@triton.uog.edu)

### **CollegeNet Course Evaluations:**

Course evaluations will be available for students to complete during the last week of the spring session. Fanuchanan 2024 [CollegeNet Course Evaluations](#) will be available from **11/25/2024 – 12/13/2024**. You will need to know your [WebAdvisor](#) username.

### **Curriculum Mapping:**

Course SLOs	Math PLOs	UOG ILOs	Method of Assessment
SLO 1	MA PR 1 (at basic level)	ILO 1,2 (at basic level)	Tests, Group work discussions
SLO 2	MA PR 1 (at basic level)	ILO 1,2 (at basic level)	Tests, Group work discussions
SLO 3	MA PR 1 (at basic level)	ILO 1,2 (at basic level)	Tests, Group work discussions

### **Student Learning Outcomes (SLOs)**

SLO 1: Perform algebraic operations on integers, fractions, decimals, and expression involving variables.

SLO 2: Generate graphs of linear equations, inequalities, and systems of equations.

SLO 3: Use algebraic representations to solve real-life applications and problems.

### **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 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 & 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.

### ***Disclaimer:***

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

Updated on Tuesday, August 13, 2024

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