UNIVERSITY OF GUAM
UNIBETSEDÅT GUAHAN

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

COURSE:	MA-085B-01 Fundamentals of Mathematics B (3 non-degree units)
COURSE FORMAT:	Online Asynchronous – Moodle and Zoom
SEMESTER:	Finakpo' – Summer Session A 2022 (May 31 – July 1)
TIMEZONE:	Chamorro Standard Time ChST – UTC +10

INSTRUCTOR:	Ms. Katrina Quinata
TELEPHONE:	671-735-0317
EMAIL:	quinatak@triton.uog.edu (preferred)
OFFICE HOURS:	MTWThF 10:00AM – 11:50AM via Zoom (need to schedule in advance)

For any questions or concerns, please contact me via the email address above. I check my email daily and I usually reply within 24 hours. Response time may be delayed during the weekend or holidays. You can also contact me on Moodle chat.

Catalog Description:
This course is a study of the fundamental concepts of high school mathematics, including arithmetic and algebra. This course is lecture-based and designed to provide the background necessary for advancement in mathematics.

Grades for MA085A are A1, B1, C1, D1 or F1. MA085A students must earn a grade of C1, B1, or A1 (or P1) before they can enroll in MA085B. Grades for MA085B are A2, B2, C2, D2 or F2. MA085B students must earn a grade of C2, B2, or A2 (or P2) before they can exit MA085 to enroll in MA110, MA115, or MA151.

Prerequisite for MA085B: Mathematics Placement Test, or C1, B1, A1, P1 in MA085A.

Text: MA085B Fundamentals of Mathematics (green) workbook 3rd edition. Workbooks may be purchased at the UOG Triton Store. You can contact UOG Triton Store at 735-2931/4 or email store@triton.uog.edu to buy your workbooks. For more information visit their website: www.tritonstore.gu

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

MA085b	
Topic	Title
10	Polynomials
11	Factoring
12	Rational Expressions
13	More Equations
14	Linear Equations in Two Variables
15	Systems of Linear Equations
16	Exponents
17	Radical Expressions
18	Quadratic Equations

Evaluation:

To determine whether students have achieved the course learning objectives, students will be evaluated and graded as follows.

Quiz/Exam	Content	% of Final Grade
Quizzes	Topic 10 – 18	25%
Exam 1	Topic 10 – 12	25%
Exam 2	Topic 13 – 15	25%
Exam 3	Topic 16 – 18	25%
Total		100%

Letter Grade	Numerical Grade
A2	90-100%
B2	80-89%
C2	70-79%
D2	60-69%
F2	0-59%

Final letter grades demonstrating successful completion of MA085B will be A2, B2, or C2 (or P2). Grades of D2, F2, CR2, NC2 are NOT passing grades and student must retake MA085B.

Download Zoom App:
You are encouraged to download the Zoom app on your laptop and/or smartphone as I will be using Zoom for office hours. For more information: https://zoom.us/download It's free! There is no need to create an account, you can access our Zoom meetings by entering the assigned Meeting ID and Password provided on the course page on Moodle.

Lectures:
Each topic will be discussed via pre-recorded lecture videos or linked videos. I will provide a PDF of the lecture notes from the pre-recorded lecture videos to download and review. Please join Zoom during my office hours or schedule an appointment to ask questions or to seek further clarification after you have watched the pre-recorded lecture videos and linked videos.

Attendance and Time Consideration:
You will be counted as "present" for each class day if you watch that day's assigned lecture video, download the lecture PDF or meet during office hours via Zoom. In our online course environment, my expectation is that you will be spending 2 "class hours" per day working on the concepts that you would usually get in a face-to-face lecture (e.g., watch the lecture recordings, download the lecture PDF, or join the scheduled Zoom Meeting). Students should be prepared to spend an additional 10 hours a week, minimum, on material related to the course (e.g., completing homework, meeting with me during office hours, meeting with a tutor at the virtual math tutor lab, utilizing additional resources such as Khan Academy, YouTube, personal tutor, etc.). You are welcome to work ahead but scheduled dates for quizzes and exams will remain the same for all students. Please be sure to manage your time accordingly.

Homework (Extra Credit):
To encourage additional practice, students are encouraged to complete and submit homework. MA085B Workbook (3rd edition; green cover) is required to complete the assigned homework problems. Students can earn up to +5 points towards exam score by completing the assigned homework relative to that exam. The percentage of completed homework assignments will determine the extra credit points awarded. Please submit homework as one PDF file: no image files and no multiple files. Deadline to submit homework is the day of its corresponding exam.

Please label each homework file as: **LastnameFirstname-hw#**
For example, if I were to submit my PDF file for HW#1, I will label my PDF file as QuinataKatrina-hw1.pdf
Always keep a copy of your homework as a backup.

Quiz:
Each topic will be lectured, discussed, and evaluated. After each topic is covered, the corresponding topic quiz will be administered via Moodle. There will be a total of nine (9) quizzes. There are no retakes or makeups for the quizzes. You will be required to complete each quiz during the allotted window time on the designated date. See schedule for dates of quizzes.

Quizzes will open 8:00AM ChST and close 11:59PM ChST on its scheduled date. You will have one hour to submit your quiz once you start. Always keep a copy of your quiz work as backup.

Exams:
There will be three (3) exams. There are no retakes or makeups for the exams. Very special circumstances for being allowed to make up an exam should be handled by immediate consultation with the instructor. Except for true emergencies, these special cases are arranged in advance with the instructor. See schedule for dates of exams.

Exams will open 8:00AM ChST and close 11:59PM ChST on its scheduled date. You will need to show all work for the exams. You'll have the option to print the exam to write on or simply view it on your laptop and show your work on your own piece of paper. You will have two (2) hours to complete the exam once you start. Once completed, you will upload all shown work as a PDF as part of your exam. *You must submit your shown work to receive credit for the exam.*

Please label your exam file as: **LastnameFirstname-exam#.pdf**
For example, if I were to submit my shown work for Exam 1, I will label my PDF file as QuinataKatrina-exam1.pdf
Always keep a copy of your exams as a backup.

<p style="text-align:center;color:red">CALCULATORS OR OTHER ELECTRONIC DEVICES ARE <u>NOT</u> ALLOWED FOR ANY QUIZ/EXAM</p>

Please take note of the following:
- Be mindful of when quizzes and tests are scheduled. There are no retakes or makeups.
- Show all work for credit. No shown work means no credit. Box your final answer. If your process is incorrect but you magically got the right answer, it is still wrong.

Tutoring:
Students are encouraged to meet with me during office hours for additional help or to seek clarification. Students are also encouraged to schedule virtual tutoring via Zoom or in person tutoring with the UOG Math Tutor Lab. Students can book an appointment at www.uogmathlab.org For more information and summer hours of operation, visit their website or contact mathtutorlab@triton.uog.edu

Curriculum Mapping:

Course SLOs	Math PLOs	UOG ILOs	Assessment
SLO 1: Perform algebraic operations on integers, fractions, decimals and expressions 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 level)	ILO1: Mastery of critical thinking & problem solving ILO2: Mastery of quantitative analysis (at basic level)	Quiz, Exam
SLO 2: Draw 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)	ILO1: Mastery of critical thinking & problem solving ILO2: Mastery of quantitative analysis (at basic level)	Quiz, Exam
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)	ILO1: Mastery of critical thinking & problem solving ILO2: Mastery of quantitative analysis (at basic level)	Quiz, Exam

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 OIT for technical support at 735–2630 or oit@triton.uog.edu
- Contact the Triton Advising Center at 735–2271 or tac@triton.uog.edu

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 a 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. 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 (https://www.uog.edu/helpline/policies-procedures).

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.

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.

ADA Accommodation Services
If you are a student with a disability who will require an accommodation(s) to participate in this course, please contact the Student Counseling and Advising Service Accommodations office to discuss your specific accommodation needs confidentially. As your instructor, I will receive notification of your approved accommodation(s) from the SCAS Accommodations Office.
If you are not registered, you should do so immediately at the Student Center, Rotunda office #4, ph/(TTY): 735–2460, to coordinate your accommodation request.

Withdrawal from Course:
Deadline for voluntary withdrawal from Session A classes with a grade of "W" is JUNE 15. You can find the voluntary withdrawal form at https://www.uog.edu/student-services/forms.php Download, complete and sign. Send the form with a photo of your UOG student ID to transcripts@triton.uog.edu using your GoTritons email. Please include me in the email so that I'm aware you are no longer registered in the course.

Deadline to submit Petition to Withdraw from Session A classes is JUNE 30. You can find the petition to withdraw form at https://www.uog.edu/student-services/forms.php Download, complete and sign. Send the form to me for my instructor signature, then obtain your advisor signature. Send the form with a photo of your UOG student ID to transcripts@triton.uog.edu using your GoTritons email.

CollegeNET Course Evaluations:
Course evaluations will be available for students to complete during the last week of Summer Session A (June 27 – July 1). You can access the course evaluations by clicking on "CollegeNET Course Evaluations" in the drop-down log in menu on the University of Guam's website (www.uog.edu). You will need to know your Webadvisor login information. Completion of course evaluations will be extra credit toward final grade upon proof of completion.

Student Support:
The following is a list of additional resources that students can turn to when they need support.
- Technical problems with UOG Moodle system? Contact the UOG Moodle Help team by email at 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 (Computer Center) by email at helpdesk@triton.uog.edu or by phone at (671) 735-2630.

Virtual Classroom Interaction:

There are a number of things to keep in mind with regards to interaction in the virtual classroom.

- Communicating with the instructor
  - o At any point during this course, you are welcome to contact me via email with questions regarding homework, quizzes, exams, grades, instructions or concerns that affect your performance in the class. I check my email frequently and will typically respond to messages within 24 hours. There may be a delay during the weekend or holidays.
  - o As your instructor I am here to support you in any way that I can. Please communicate with me early and often regarding your status in the course. It is YOUR job to seek the help you need, and I am here to support you!
- Communicating with classmates
  - o No flaming, trolling, cyber bullying or harassment. You are all expected to be respectful and professional. If you have any concerns with classmates, please contact me immediately regarding the problem.
- Online Etiquette
  - o Be prompt. Follow course schedule and respond to email messages promptly.
  - o Always re-read what you type before you send it. Be clear and brief.
  - o Respect the privacy of others. Do not post or communicate personal or confidential information in the virtual classroom. No recordings or photography.
  - o Remember that the UOG Moodle system keeps logs of all your activity inside of UOG Moodle.

Required Skills, Materials, and other Resources:

Taking online classes is very different from taking a traditional face-to-face class. There are certain skills and equipment needed. Here are some things you will need in order to take this class:

- Reliable access to a computer and/or smart phone with broadband Internet access.
- A desktop or laptop computer is highly recommended for the more important class activities, such as quizzes and exams. Mobile devices such as smart phones, iPads, and Android tablets are recommended for scanning documents for uploads and for convenience to view most content for this class.
- Your computer should have the following:
  - o Mozilla Firefox browser with Cookies enabled and the Pop-up Blocker disabled so that you can access and work in this class. **Firefox is the most compatible browser for use with UOG Moodle. Do not use Google Chrome.**
  - o Adobe Acrobat Reader or similar so that you can open PDF documents provided in this class.
- You need to be comfortable enough with computers to perform the following tasks without help from anyone:
  - o Send and receive email messages as well as send a message with an attachment.
  - o Be able to find files on your computer that you have saved or downloaded.
  - o Be able to navigate through Moodle.
- Your smart phone/iPad/Android tablet should have the following:
  - o Adobe Acrobat Reader or similar so that you have a location on your device to view and save PDFs
  - o Adobe Scan (Google Play/App Store) or Scanner App (iPhone/iPad) or GeniusScan or your preferred similar app so that you can scan your shown work to upload for credit. Instead of submitting multiple files for one assignment, please combine all related pages into one file. It makes grading easier.
- You need to be self-motivated, disciplined, and you should have good time-management skills. Even though you can access this class at any time of the day on any day of the week, you still need to follow the set course schedule. You need to be able to manage your time and meet deadlines set for the class. *This is not a self-paced class.* You should be able to commit 10-20 hours per week to your course work. Remember that procrastination can cause you more problems online than in a face-to-face class. There are chances that your computer can crash; your Internet connection can drop; or the UOG Moodle system may become unavailable.
- You will be expected to visit the Moodle course page once a day for a minimum of 2 hours each day.
- You will be expected to carefully read and follow instructions.
- You will be expected to keep track of deadlines and due dates.
- You will be expected to have all the skills and resources listed above.
- You will be expected to ask for help if and when you need it.

Disclaimer:

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

MA085B FINAKPO' – SUMMER SESSION A 2022 Schedule

Week	Day	Date	Topic	HW#	Quiz
1	Monday	May 30	HOLIDAY – MEMORIAL DAY		
	Tuesday	May 31	Topic 10: Polynomials	1	
	Wednesday	June 1	Topic 10: Polynomials	2, 3	
	Thursday	June 2	Topic 11: Factoring	4	Quiz 10
	Friday	June 3	Topic 11: Factoring	5, 6	
2	Monday	June 6	Topic 12: Rational Expressions	7	Quiz 11
	Tuesday	June 7	Topic 12: Rational Expressions	8, 9	
	Wednesday	June 8	Review: Exam 1		Quiz 12
	Thursday	June 9	EXAM 1: Topic 10 - 12		
	Friday	June 10	Topic 13: More Equations	10	
3	Monday	June 13	Topic 13: More Equations	11, 12	
	Tuesday	June 14	Topic 14: Linear Equations in Two Variables	13	Quiz 13
	Wednesday	June 15	Topic 14: Linear Equations in Two Variables	14, 15	
	Thursday	June 16	Topic 15: Systems of Linear Equations	16	Quiz 14
	Friday	June 17	Topic 15: Systems of Linear Equations	17, 18	
4	Monday	June 20	Review: Exam 2		Quiz 15
	Tuesday	June 21	EXAM 2: Topic 13 - 15		
	Wednesday	June 22	Topic 16: Exponents	19	
	Thursday	June 23	Topic 16: Exponents	20	
	Friday	June 24	Topic 17: Radical Expressions	21	Quiz 16
5	Monday	June 27	Topic 17: Radical Expressions	22, 23	
	Tuesday	June 28	Topic 18: Quadratic Equations	24	Quiz 17
	Wednesday	June 29	Topic 18: Quadratic Equations	25	
	Thursday	June 30	Review: Exam 3		Quiz 18
	Friday	July 1	EXAM 3: Topic 16 – Topic 18		

MA085B HOMEWORK (EXTRA CREDIT)

Text: MA085B Fundamentals of Mathematics (green cover) workbook 3rd edition.

Exam	Topic	HW #	Workbook Exercises
Exam 1	10 Polynomials	1	2, 4, 6, 22, 24, 32, 34, 46, 48, 50, 52, 54
		2	8-20, 26, 28, 30, 36, 38, 40, 56, 58, 60
		3	42, 44, 45, 62, 64, 66
	11 Factoring	4	2-26
		5	38-54, 58, 60, 68, 70
		6	28-36, 56, 62, 64, 66, 72-84
	12 Rational Expressions	7	2-12
		8	14-48
		9	50-60
Exam 2	13 More Equations	10	2-18
		11	24-42
		12	44-66
	14 Linear Equations in Two Variables	13	1-9 (ALL), 20-27 (ALL)
		14	30-42, 46-56
		15	62, 63, 66-70 (ALL)
	15 Systems of Linear Equations	16	1, 2, 3, 4
		17	6-22
		18	23-30 (ALL)
Exam 3	16 Exponents	19	2-58
		20	60-69 (ALL)
	17 Radical Expressions	21	2-30
		22	32-48
		23	50-64
	18 Quadratic Equations	24	2-30
		25	31-39 (ALL)

Reminders:
- Workbook Problems are EVEN numbers only unless otherwise specified.
- BOX FINAL ANSWER
- Homework is optional but you may earn you up to +5 points towards its corresponding exam. For example, if you submit all HW#1-9, then you earn +5 points towards Exam 1. If you only submit HW#1-5, then you earn +3 points towards Exam 1.
- Although you earn extra credit for the homework workbook exercises above, you are encouraged to complete practice tests as well in the workbook. Solutions for practice tests are found in the back of the workbook.
- Label your homework with its corresponding HW#.
- Last day to submit homework for a topic is on its exam day.

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