

# COURSE SYLLABUS

Precalculus: MATH 105-002/003  
Summer 20219

**Instructor:** Samah Mahmoud

**Time:** MWTR 10:30 - 12:20pm

**Office Hours:** Office hours will be scheduled weekly online through blackboard collaborate. I will hold office hours Mondays/Wednesdays at 12:00pm – 1:30pm, or by appointment.

**Textbook:** The textbook is Precalculus, 2nd edition, by Schulz, Sachs and Briggs.

**Pre-requisite:** You must have either passed the Math Placement Exam or completed the Self-paced Algebra Tutorial Math 008.

**Broad purpose of the course:** We will cover Chapters 1-6 in the textbook, including: Algebra review, Polynomial, Rational, Exponential and Logarithmic Functions, and Trigonometry. The pace of the course is very fast. Successful completion of this course will require a serious time commitment.

**Technology:** •Calculators: Because this course is designed as preparation for the Calculus 113-114 sequence, one of its primary goals is to help students acquire competence with basic algebraic and functional concepts and relationships. Accordingly, we will use calculators sparingly. I encourage you to attempt all homework problems without calculators, though some questions may require one. With rare exceptions, use of calculators will not be permitted during tests or the final exam. Graphing and CAS capable calculators will never be permitted, the recommended calculator is a TI-30XIIS.

**ALEKS:** Aleks is an online, homework, tutorial and assessment system. Students can receive personalized study plans based on their results. The study plan diagnoses weaknesses and links students to tutorial exercises for objectives they need to study. Aleks is NOT a program operated by GMU. If you are experiencing technical difficulties using the program, then you can email or chat with Customer Support directly through Aleks Customer Service website.

**Teaching and learning method:** As a university student, you are responsible for your own learning. Lecture, demonstration, discussion, problem-solving, quizzes, tests, and group tasks will be used to help you learn. Lecture attendance and completion of assignments are expected.

**Homework:** Students are expected to read the section notes to be covered in the lecture prior to attending the lecture on that subject. There will be online homework problems @ Aleks.com on each section, which will be graded. Two homework assignments will be dropped.

**Quizzes:** Quizzes will cover material from the homework as well as lecture and will be similar to homework problems. Quizzes will all be given using Aleks. There may also be discussions that will count as quiz grades. The lowest quiz will be dropped.

**Tests:** There is a **tentative** schedule for tests below. You are responsible for keeping up with all information announced in the classroom and on Blackboard. There will be no makeup tests. You may replace your lowest test grade with your final exam percentage.

**Grading:** Grades will be assigned according to the percent system given below:

15% Test 1 Thursday, June 18<sup>th</sup>  
15% Test 2 Thursday, July 2<sup>nd</sup>  
15% Test 3 Tuesday, July 28<sup>th</sup>  
20% Final Exam Thursday, July 30<sup>th</sup>  
20% Homework  
15% Quizzes

The lowest quiz score will be dropped. The grading scale will be:

A-: 90 - 92;	A: 92 – 98;	A+: 98 – 100
B-: 80 - 82;	B: 82 – 88;	B+: 88 – 90
C-: 70 - 72;	C: 72 – 78;	C+ : 78 – 80
D: 60 - 70;	F: 0 – 60.	

No collaboration is allowed on exams or quizzes. Any indication that you have worked together, used someone else's ideas, copied, or allowed a fellow student to copy your work is a violation of the George Mason Honor Code.

**UNIVERSITY POLICIES:** The University Catalog, <http://catalog.gmu.edu>, is the central resource for university policies affecting student, faculty, and staff conduct in university academic affairs. Other policies are available at <http://universitypolicy.gmu.edu/>. All members of the university community are responsible for knowing and following established policies.

**Honor Code:** - It is expected that each student in this class will conduct himself or herself within the guidelines of the Honor Code. Among other things, this means that sharing information of any kind about exams or quizzes (either before or during the exam) will result at a minimum in a grade of zero for all parties involved. Violations will also be reported to the university Honor committee where further consequences such as probation or expulsion from the university may be incurred. See <http://academicintegrity.gmu.edu/honorcode> for a copy of the Honor code.

**Disability Services:** Reasonable accommodations are available for students who have a documented disability. Please contact Disability Services if you require accommodations: Office of Disability Services, Student Union Building I (SUB I), room 4205, Phone: 703-993-2474

**COUNSELING AND PSYCHOLOGICAL SERVICES (CAPS):** (703) 993-2380;  
<http://caps.gmu.edu>

**Regarding electronic devices** (such as laptops, tablets, cell phones, etc.), please be respectful of your peers and your instructor and do not engage in activities that are

unrelated to class. Such disruptions show a lack of professionalism and may affect your participation grade. **This means that cell phones and computers are not to be used during class. Your cell phone (or any internet capable device) should be on silent or vibrate during lecture and I should be stored out of reach during tests or quizzes. If I notice you have a cell phone (or any internet capable device) within your reach during a test or quiz, then I will assume that it is an Honor Code violation and take appropriate action. This could result in you failing the assignment, failing the class or being suspended from the university.**