

# Calculus I

## Math 113, Fall 2018

Mondays and Wednesdays 1:30 pm-3:20pm, Planetary Hall room 131.

**Instructor:** Dr. Keith Fox

**Email:** kfox@gmu.edu

**Office:** Exploratory Hall Room 4405.

### Office Hours:

MW 4:00 pm to 6:30 pm.

I will also meet with students by appointment but the student must send an email explaining the purpose of the meeting and asking me for the times I will be available.

### Course Description:

This class is 4 credit hours and covers the following topics: Functions, limits, the derivative, maximum and minimum problems, the integral, and transcendental functions. Fulfills Mason Core requirement in quantitative reasoning.

### Textbook:

Thomas Calculus: Early Transcendentals, Fourteenth Edition, by Hass, Heil, and Weir.

### Prerequisites:

Sufficient recall of algebra and trigonometry is required. Successful completion of Math Placement Test or a grade of C or better in MATH 105.

## **Material to be Covered:**

We will be covering most of chapters (1-5) of the textbook.

## **Mason Core:**

This course satisfies the requirements of the Mason Core Quantitative Reasoning Category. The associated learning outcomes are for the students to be able to (1) interpret quantitative information and draw inferences from this information, (2) formulate quantitative problems and solve them using appropriate methods, (3) evaluate logical arguments, and (4) communicate and present quantitative results effectively.

## **Recitation:**

Recitation is mandatory and counts for 25 points of your final grade. In recitation you will have a mathematics assignment in addition to quizzes. Please see your recitation teacher for the grading of the recitation class.

## **Exams:**

There will be three exams, and then a final exam. The tentative dates for the three exams before the final are : Exam 1 is Monday September 24, Wednesday October 31, and Wednesday November 28. If an exam date is moved, then it will be announced in class and it is your responsibility to be in class and to make note of the change.

## **Final Exam:**

The Final Exam will be in our usual room on Monday December 17 from 1:30 pm to 4:15 pm.

## **Grading:**

Recitation will be 25 points.

Exam I will be 100 points.

Exam II will be 100 points.

Exam III will be 100 points.

Final Exam will be 100 points.

If you score higher on the final exam than your lowest score on exams I, II, or III, then your final exam score will replace the score of exactly one of these lowest scoring exams and be counted twice in the calculation of your final grade. The grading scale for this class will be A:90-100; B:80-89; C:70-79; D:60-69; F:0-59.

## **Honor Code:**

To pass this class it is mandatory that each student's conduct is within the guidelines of the George Mason 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 expulsion from the university may be incurred. See <http://academicintegrity.gmu.edu/honorcode> for a copy of the Honor Code.

## **Restroom Use During Exams:**

If you need to use the restroom during an exam, then you must turn in your exam as finished and you will not be allowed to continue taking the exam or retake the exam. If you have special needs, then you need to go through the office of disabilities to get permission to have your needs met prior to any exam.

## **Retake Policy on Exams:**

No single exam will be allowed to be taken before or after the date that the exam is given to the class. There are no circumstances that will change this policy for any individual enrolled in this class without official accommodations given by the University.

## **Start Policy for Exams:**

Students should show up at the scheduled start time for any exam. If a student shows up to an exam after any student has finished their exam, then the late student will not be permitted to take the exam.

## **Additional Help:**

Please find me in my office during my posted office hours for additional help. Also feel free to send me an email, if you would like to schedule another time to meet in my office.

## **University Policies:**

See the University Policy website at <http://universitypolicy.gmu.edu/>

## **Syllabus**

The contents of this syllabus is at the teachers discretion subject to change at anytime. Any new version of the syllabus will be taken to be the official syllabus for the class and will replace any prior syllabus.