

Math 315

Advanced Calculus Part I

Class: Tuesday and Thursday from 10:30am to 11:45am

Instructor: Dr. Keith Fox

Email: kfox@gmu.edu

Office Hours:

Tuesdays from 4pm to 7pm.

Room 4405 exploratory hall.

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:

We take a rigorous approach to the real line as a number system, functions, sequences, limits, continuity, differentiation, integration, transcendental functions, and infinite series. Offered by Mathematics. May not be repeated for credit.

Textbook:

Leonard F. Richardson, Advanced Calculus: An Introduction to Linear Analysis

Course Outline

We will cover the majority of chapters 1 to 5.

Exams:

There will be two exams, and then a final exam. The tentative dates for the two exams before the final are : Exam 1 on Thursday February 28, Exam 2 on Thursday April 25.

Final Exam:

Our Final Exam will be May 14 from 10:30 am to 1:15 pm in our usual class room.

Grading:

Homework 20 points.

Exams 1: 100 points.

Exams 2: 100 points.

Final Exam: 100 points.

If you score higher on the final exam than your lowest midterm exam score, then your final exam score will replace the score of exactly one of your lowest scoring midterm exams. 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.

Policy on Exams Schedule:

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.