

Calculus I

Summer 2011

1 Course Details

Course Math 115; Section 201

Time and Location 10-12, Tuesday-Friday; Dennison 613

Text Calculus: Single Variable by Hughes-Hallet, Gleason, et al. 5th edition

Instructor Will Drobný

Office Hours 12-1, Tuesday-Friday or by appointment; East Hall 1836

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2 Grades

Grades will consist of daily WebWork (5%), weekly quizzes (15%), one midterm (35%), and a final exam (45%). The quizzes will be held each Wednesday. Additionally, the Gateway Exam will count as 2 quizzes. The WebWork can be accessed at <http://instruct.math.lsa.umich.edu/courses/115/webhw/>

3 Key Dates

If you have a conflict with any of the exam dates listed below, let me know AS SOON AS POSSIBLE! The times and locations of the exams are to be determined. A daily schedule can be found on the course website.

Wednesday, June 29 First day of class

Tuesday, July 21 Gateway Exam

Monday, August 1 Midterm Exam

Tuesday, August 16 Last day of class

Wednesday, August 17 Final Exam

4 Course Description

The sequence Math 115-116-215 is the standard complete introduction to the concepts and methods of calculus. It is taken by the majority of students intending to major in mathematics, science, or engineering, as well as students headed for many other fields. The emphasis is on concepts and solving problems rather than theory and proof.

Math 115 presents the concepts of calculus from four points of view: geometric, numerical, algebraic, and verbal. Students develop their reading, writing, and questioning skills. We will cover the first 5 chapters of the text, and the first few sections of chapter 6 (with a few sections omitted throughout). Topics include functions and graphs, derivatives and their applications to real-life problems in various fields, and an introduction to integration.