

Math 116-012—Winter 2012

Instructor: Will Drobny

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Office Hours:

Text: *Calculus* by Hughes-Hallet, Gleason, et al., 5th Edition, published by John Wiley and Sons

Calculator: TI-84 or equivalent. If you have another model, you will be responsible for knowing how to use it. Bring your calculator to class each day and to the Uniform Exams.

Course Web Site: <http://www.math.lsa.umich.edu/courses/116/>

This site has important information including the Student Guide and homework assignments. The web site will be updated with exam rooms and other information as the semester progresses.

Homework: Daily homework will be assigned from each section that we cover. These assignments will be worked on the web, and the web homework will count for 5% of the Exam Component of your final grade. In order to do well in class, you must keep up with the daily assignments. In addition, you will be given regular team homework assignments, and a large portion of your in-class grade will be based on these group assignments. We will discuss the team homework arrangements further in the second class. The web assignments can be found at <https://instruct.math.lsa.umich.edu/webwork2/ma116-012-w12>

Quizzes: There will be short weekly quizzes given each Wednesday. No make-up quizzes will be given, but I will drop your two lowest quiz scores when I compute your final grade.

Team Homework: Each week, a few problems will be assigned for students to complete as teams. On Fridays, I will select a team to present a solution to each problem in class. I will grade the presentation, and together with your quizzes, this will count as your section component.

Uniform Exams:

First Exam	Monday, February 6	6 - 7:30 pm
Second Exam	Monday, March 19	6 - 7:30 pm
Final Exam	Thursday, April 19	8:00 am - 10:00 pm

Dates for the exams are final. Generally, only students with a regularly scheduled class are accommodated at an alternate time. Anyone with a regularly scheduled class during these exam times should let me know as soon as possible. Make plans now to be certain these dates are in your calendar. Note that travel is *not* a sufficient excuse to have an exam scheduled on a different day.

Grading Policy: All sections of Math 116 use the same grading guidelines to standardize the evaluation process. A complete explanation of the grading policy is given in the Student Guide on the course web site. Look under the heading “Grading System”.

In Class: You are required to come to class. In-class group work is used frequently in this class to introduce and develop concepts. Important announcements will be given in class. Should you miss a class, please be sure to get notes and other important information from a classmate.

You must bring your book and your calculator to class each day. We will use these items frequently during class.

No cell phones, ipods, computers or other gadgets may be used in class. Texting is strictly prohibited. If you use the electronic version of the text, you will need to ask a member of your table to share the text with you when we use it in class.

Math Lab: Free tutoring from the Mathematics Department.

Hours: Monday through Thursday 11am - 4 pm and 7-10 pm
Friday 11 am-4 pm
Sunday 7 pm-10 pm

Location: East Hall B860

Other Important dates:

Classes begin: Wednesday, January 4

MLK Day (no class): Monday, January 16

Last Day to drop without a W: Monday, January 23

Derivative Gateway Deadline: Monday, January 23

Integral Gateway Deadline: Wednesday, February 15

Spring Break (no class): Saturday, February 25 - Sunday, March 4

LSA Drop Deadline (with W): Monday, March 19

Last Day of Classes: Tuesday, April 17

Any student with a documented disability should contact me as soon as possible so that we can discuss arrangements to fit your needs.

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 116 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 chapters 5-11 of the text which includes integration techniques and applications, infinite series, and differential equations.