

Math 112L Course Policies and Information

Textbook: Calculus, 6th edition, by Deborah Hughes-Hallett, et.al.; the 111L-112L Course Pack for 2016-2017 (aka the 'Lab Manual'.) You may not use a Course Pack from a previous year (i.e. 2015-2016.)

Website Information: The site www.math.duke.edu/first_year/ contains information for first-year calculus students. Specifically, this page contains important information regarding course placement, enrollment, tutors, the help room schedule, etc. There is a shared Sakai site for all sections of Math 112L where you can find important announcements, exams given in each section of the course, a chapter-by-chapter solution manual for the textbook, and other resources. Your instructor may use an individual Sakai site or website for your section. There is also a shared Piazza site that will be used mainly as a discussion forum.

Technology: Several of the labs in this course require the use of spreadsheets. Please be on the look out for announcements regarding which days your group will need a to bring a laptop to your lab meeting. Calculators will not be used in this course. In particular, the use of calculators is prohibited on all exams.

Exams: You will have three midterm exams as scheduled on the Syllabus. The final exam is a block final given on Thursday, May 4, 2017 from 2PM-5PM. *Each student will be allowed to bring to the final exam one standard-size sheet of typewriter paper (two-sided), on which the student may write whatever formulas or notes he/she wants. This sheet must be handwritten and produced by the student.* You will be required to complete an integration barrier test, known as the "Gateway Test." This test does NOT count towards your final grade, however, you must pass it in order to complete and pass the course. You may take the test as many times as you need in order to pass.

Lab Work: Labs are mandatory. You need to arrive on time to lab each week and *stay until all members of the lab group have completed the lab work.* Depending on the lab, you will either complete a team lab report or take an individual lab quiz at a time determined by your instructor. Lab teams will likely be changed periodically throughout the semester. You must work with the team to which you are assigned. When a team's work is turned in, the names of all members should be on the paper. If one member did not fully participate, then that person's name must be omitted. *Lab material will be covered on the final exam.*

Semester Grades: Any letter grade on work graded before the final exam is given should be viewed as an estimate per the grading policy on the back of this sheet. The percentages below represent **roughly** the make up of your final grade by the following items:

- Midterm Exams 40%
- Laboratory Assessments 20%
- Homework Assessments 10%
- Final Exam 30%

Assistance: The Math Department operates a Help Room (Carr 132) where students can get help on a walk-in basis from calculus teachers and assistants. There is a detailed schedule of help room hours available online at www.math.duke.edu/first_year/help There is free peer tutoring available that is arranged by The Academic Resource Center.

Duke Community Standard: In this course team work is mandatory on labs and collaboration is encouraged, but you are responsible for your own understanding of the material. If a student is found responsible through the Office of Student Conduct for academic dishonesty on a graded item in this course, the student will receive a score of zero for that assignment, test, or other graded work, and the instructor reserves the right to further reduce the final grade for the course by up to two letter grades, at the discretion of the instructor.

Block Calculus Courses, Duke Mathematics

This page concerns Duke calculus courses taught in the block format (Math 105L, 106L, 111L, 112L, 122L, 202, 212). Policies listed here supersede other course-specific or section-specific policies.

Student Learning Objectives

Block Calculus Courses Department of Mathematics

In these courses, students should:

1. Learn the definitions of the mathematical concepts of calculus enumerated on the syllabus.
 2. Understand analytic and geometric perspectives on these concepts.
 3. Attain proficiency in the techniques of working with these concepts algebraically, graphically, and numerically.
 4. Use these tools for applications in the natural and social sciences.
 5. Develop skills in creating and working with mathematical models to solve problems.
 6. Learn to formulate and communicate mathematical arguments effectively in writing.
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Course Grading

Instructors will assign course letter grades based on their final assessments of the overall performance of each student, considered from multiple points of view. Among these points of view, instructors use information from the block final exam to gauge their sections as a whole in comparison to other sections, creating a context in which to gauge individual students with respect to the grading standards of the Department of Mathematics. This block grading system helps to ensure consistency of meaning for letter grades assigned in these block courses.

Letter grades assigned on work graded before the final exam are assigned without the benefit of the context defined as above, and thus should be viewed only as estimates.

If your instructor assigns percentage "weights" to graded items in this course, those weights are not binding in any way and should be interpreted only as an approximate indication of the importance of those items to the course.

The final exam, as the only graded item of the course that covers the entire syllabus and is common to all sections, will be of major significance in the determination of your course grade. The midterm exams and (in lab calculus courses) laboratory assessments will also be very significant. The significance of homework scores and attendance in the determination of your course grade is at the discretion of your instructor.