

SYLLABUS

MATH 1142, Short Calculus (Lecture 010) Fall 2006

Instructor: Molly Maxwell

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Office Hours: MWF 11:30-12:30 in Vincent Hall 502, or by appointment.

Text: *Calculus for Business, Economics, and the Social and Life Sciences*, 9th Edition, by Hoffmann & Bradley. This book is available at the Coffman Union bookstore.

Course Website: <http://www.math.umn.edu/~maxwell/1142>

Please check this website frequently for announcements and updates.

Teaching Assistants:

- **Bond Caldaro**, calda004@math.umn.edu, <http://www.math.umn.edu/~calda004>, Vincent Hall 19, office hours TBA.
- **Amy DeCelles**, decel004@math.umn.edu, <http://www.math.umn.edu/~decel004>, Vincent Hall 19, office hours TBA.

Overview: This one-semester course is a tour of differential and integral calculus in one variable and differential calculus in two variables. It does not involve any trigonometry. The emphasis is on formulae, their interpretation and their use in application.

Course Credit: This is a 4-credit course. Please note that you will not be granted credit for this course if you have already received credit for MATH 1271, MATH 1281, MATH 1371 or MATH 1571H. This class does not serve as a prerequisite to any higher math course, but does satisfy the CLA Mathematical Thinking requirement.

Prerequisites: 3 1/2 years of high school math or a grade of at least C- in 1031 or 1051. *In particular, it's extremely important to have strong algebra skills to be successful in this course.* During the first week, you should read the algebra review section on pp. 642-659 in the textbook.

Grading: There will be three midterm exams along with a final exam. Each midterm exam is worth 15% of your grade. These will be administered in your discussion session and will take place (tentatively) on Thursday, October 5th, Thursday, November 2nd, and Thursday, December 7th. *Makeup exams are allowed only in extreme circumstances and we must be notified in advance.*

The final exam counts for 35% of your grade and will be given on Thursday, December 14th, from 1:30-4:30.

The other 20% of your grade will be assigned by your recitation teaching assistant. This grade will be determined by a combination of weekly homework, quizzes and classroom participation. **Completing all the homework assignments is one of the keys to achieving a good grade in this, or any, math course.** The homework assignments will be posted on the course website.

In this course, we do not have set gradelines. We determine these as the semester goes on by average student performance on exams, quizzes, etc. Certainly a class average from 91 – 100% will be at least an A-, 81 – 90% at least a B-, and 71 – 80% at least a C-, but these are not hard and fast rules. After exams we will keep you apprised (as best we are able) of how class averages convert into letter grades.

Attendance: It has been our experience that students who do not attend class more or less all the time do remarkably worse on the tests, homework assignments, and quizzes than those who do. This class moves very quickly and covers a lot of material, and most of the material builds upon previous material. *Missing a day can make the difference in understanding several classes down the line.* We understand that it's sometimes unavoidable to miss class, but please make sure you get a copy of the notes from one of your classmates.

Academic Conduct: Students are expected to be familiar with University of Minnesota policies on grading standards and student conduct, including the consequences for students who violate standards of academic honesty.

Disabilities: If you have a disability that may affect your performance in this course, please contact Disability Services (612-626-1333, <http://ds.umn.edu/>) as soon as possible. This office coordinates accommodations and services to help you fully participate in this course. Please also contact us privately about your needs for this course.

Discussion Sessions: There are four different discussion sessions for this course. The teaching assistants are Bond Caldaro and Amy DeCelles. They will be giving you weekly quizzes in your discussion session and so, effectively, your attendance is mandatory. Moreover, they will have office hours and be responsible for many aspect of this course, including assigning 20% of your grade. Attending and actively participating in the discussion sessions is a very important part of this course!

Calculators: No calculators of any kind are allowed to be used in any quiz or exam in MATH 1142 and the quizzes/exams are designed with this in mind. You may use whatever kind of calculator you desire to complete the homework.

Time Commitment: According to the University Senate policies for undergraduate courses, one credit is defined as equivalent to an average of three hours of learning effort per week (over a full semester) necessary for a student to achieve an average grade in the course.

Since this is a 4-credit class, you should expect to spend 12 hours per week on this course. The time outside of class should be spent studying the textbook, working on homework and other problems, and reviewing your class notes.

Getting Help: Again, this class is very fast-paced and covers a large amount of material. But we're here to provide support for you. If you have any questions about the material or need help on the homework assignments, please don't hesitate to contact us or come to our office hours.

There are also free tutoring services at Lind Hall and in the dormitories. The schedule for these services should be available in 2-3 weeks.