

Math 141 is a first-quarter course in calculus. Time permitting, we will cover limits, continuity, differentiation, and the beginnings of integration. The overall goals of the course are to:

- ▶ Understand the meanings of functions and be able to represent them by means of graphs;
- ▶ Understand the fundamental concepts of limits and continuity;
- ▶ Understand the meaning of a derivative and be able to compute derivatives of algebraic functions and trigonometric functions;
- ▶ Be able to use derivatives to solve problems involving maxima, minima and related rates; and
- ▶ Begin to understand integration.

Instructor Information

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Course Website

We have a dedicated course website, where you can find the homework assignments and information on the latest quizzes and exams:

<http://robertweaston.com/teaching/math141>

Important Dates

<i>September 20</i>	Classes begin
<i>October 16</i>	Exam I
<i>November 9</i>	Exam II
<i>November 12</i>	Academic holiday (Veteran's Day Observed)
<i>November 19-23</i>	Academic holiday (Thanksgiving Break)
<i>December 7</i>	Classes end
<i>December 10</i>	Final Exam

Textbook

The course follows Chapters 1-5 in *Thomas' Calculus, 12th ed.*, by Weir, Maurice, et al. All homework problems are taken from this book. A detailed schedule of sections covered each week is available on our course website.

Homework

Homework is assigned weekly. Homework will not be collected, but quiz and exam problems will be based on the homework. It is important to work through enough of the assigned problems until you feel comfortable with all of the material.

Exams

There are three types of exams throughout the quarter: weekly quizzes, in-class midterm exams, and a final exam. All exams are **closed book** and **closed notes**, and **calculators are not allowed**.

- R** **Make-up Policy:** If you have a scheduling conflict with an exam, contact me *prior* to the exam in order to schedule a make-up. Exams may be taken *early* or *the following class day*. Exams taken two or more class days late will be subject to a **late exam penalty** of 10% per day. All make-ups must be completed within one week of the original exam date.

Quizzes

There are quizzes most weeks, and consist of a few problems on topics covered that week. The quiz problems are based on the assigned homework for that week.

In-class Exams

There are two in-class exams, tentatively scheduled for:

- ▶ Exam 1: Tuesday, October 16
- ▶ Exam 2: Friday, November 9

Final Exam

There is a comprehensive final exam, held in our usual room. The final exam is scheduled for:

- ▶ 1:10-4pm on Monday, December 10

Grading

The overall course score is determined as follows:

- ▶ Quiz Average (lowest dropped): 25%
- ▶ Exam I: 20%*
- ▶ Exam II: 20%*
- ▶ Final Exam: 35%*

If your percentage on your final exam is higher than your percentage on an in-class exam, then the worth of your final exam will increase by 5% and the worth of the in-class exam will decrease by 5%. This applies to both exams, so if your final exam score is better than both of your in-class exams, then your final exam will be worth 45% of your overall score and each of your two in-class exams will be worth 15%.

Calculators

Calculators are not used in a systematic way in this course, and are not allowed during exams.

Accommodations

If you have a disability for which you are or may be requesting an accommodation, you are encouraged to contact me as well as the Disability Resource Center (Building 124, Room 119; Tel: (805) 756-1395), as early as possible in the term.