

# MATH 172

## Calculus I

Meets M-F 10:00-10:50 in Hertz 105

**Instructor:**  
**Michael A.  
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### Office Hours

MTWThF 11:10-  
12:00

If you need to  
meet at any  
other time,  
please make an  
appointment with  
me. I use e-mail  
to avoid playing  
"phone tag."

Please talk to  
me if you need

### Course Content and Text Sections

Week 1  
Continuity,  
Limits: 1.7,  
1.8

Week 2  
Derivatives:  
2.1-2.3

Week 3  
Derivatives:  
2.4-2.6

Week 4  
Derivative  
Rules: 3.1-  
3.3

Exam 1

Week 5  
Derivative  
Rules: 3.4-  
3.6

Week 6  
Derivative  
rules: 3.7-  
3.8

Week 7  
Derivative  
Rules: 3.9-

### Course Requirements

#### Quizzes

Brief announced quizzes will be  
give at least once per week over  
HW content.

#### Homework

1. Homework will be assigned  
every night on WebWork,  
an on-line HW program.
2. Advanced take-home  
assignments will be given  
periodically. These will be  
analysis and synthesis  
projects and must be  
completed outside of class.

#### Exams

There will be two mid-term exams  
and a final exam.

#### Final Exam

There will be one held during Final  
Exam Week. You may not take the  
final exam any other time unless  
you have two or more final exams  
the same day.

#### Attendance, Missed Tests, Assignments

Class attendance is expected, and  
is a reasonable predictor of grades

special accommodations due to a disability.

### Student Outcomes

Students successfully completing Math 172 will model real world phenomena by way of differential techniques.

### **Course Philosophy**

Calculus is the study of mathematical modeling of real world phenomena within a deterministic framework.

3.10

Exam 2

Week 8  
Derivative  
Apps: 4.1-  
4.2

Week 9  
Derivative  
Apps: 4.3-  
4.5

Week 10  
Derivative  
Apps: 4.6-  
4.8

Final Exam:  
Time to be  
determined.

in this course. Tests and quizzes must be taken on schedule, and assignments must be handed in by their due date. Tests, quizzes or assignments may be made up only if the student and instructor agree on a time before a deadline.

### **Grading Rubric**

I use a grading rubric for nearly every assessment of nearly every problem. The exact points may vary for each dimension, but the dimensions will not. I expect your calculus, algebra, and presentations thereof to be superb to earn all credit!

Assessments	Percent of Final Grade	Final Point Distribution	Final Grade
Homework	15%	93-100%	A
Quizzes	15%	90-92%	A-
2 Midterm Exams	40%	87-90%	B+
Final Exam	30%	83-86%	B
		80-82%	B-
		77-79%	C+
		73-76%	C
		70-72%	C-
		67-69%	D+
		63-66%	D
		60-62%	D-
		Below 60%	F