

MATH 180 Calculus 1 MWF 10:00 - 11:40 AM, Room 209 BH

Instructor: Dr. Andrew Sward, Office: 728 SEO

Office Hours: 12pm - 3pm Monday, 12pm - 1pm Wednesday and by appointment.

Textbook: Early Transcendentals **Authors:** Briggs, Cochran, Gillett, Schulz

Prerequisites:* Pre-calculus Math 121 (or equivalent)

Course Outline:

Week 1

Sections 2.1, 2.2	6/16
Sections 2.3, 2.4	6/18
Section 2.5, 2.6	6/20

Week 2

Sections 2.7	6/23
Sections 3.1, 3.2	6/25
Sections 3.3, 3.4, 3.6	6/27

Week 3

Sections 3.6, 3.7	6/30
Sections 3.8, 3.5	7/2
No School	7/4

Week 4

Sections 3.9, 3.10	7/7
Review	7/9
First Exam	7/11

Week 5

Sections 4.1, 4.2	7/14
Sections 4.3	7/16
Sections 4.4	7/18

Week 6

Sections 4.5, 4.6	7/21
Sections 4.7	7/23
Sections 4.8, 5.1	7/25

Week 7

Sections 5.2, 5.3	7/28
Sections 5.3, 5.4	7/30
Sections 5.5	8/1

Week 8

5.5, Review	8/4
Review	8/6
Final Exam	8/8

*Students must already be familiar with polynomials, trig, logarithms, and exponential functions.

Grade Policy:

Midterm	100
Quizzes	100
Homework	100
Final Exam	200
Total	500

Grade Distribution:

A	376+ (76%+)
B	326-375 (66% - 75%)
C	275-325 (55% - 65%)
D	201 - 274 (40% - 54%)
F	0 - 200 (0% - 40%)

Course Objectives: To understand the foundations of basic calculus. This includes an understanding of the relevant mathematical principles, and their relation to the sciences through applications of calculus. This course covers the topics of: limits, continuity, differentiation of elementary functions, applications of the derivative, and an introduction to integration.

Quizzes: There will be a quiz every Thursday during discussion session on the previous week's material, except during exam weeks, and in week 3 the quiz will be on Tuesday instead. There will be a total of 5 quizzes, worth 20 points each.

Homework: Homework for the previous week's material will be due on Monday of the following week. The first homework is due Monday, June 23. Homework assignments must be turned in on time. Homework assignments will be posted on the website, but they will come from the book. Homeworks will be graded by me, but they will be returned during your discussion sessions. Homework assignments should be **stapled together with your name and the name of your TA** written clearly on the front page. Each homework assignment is worth 20 points. Points will be deducted for missing or incorrect problems, and points will be deducted if the assignment is not stapled.

Academic Honesty: As a University of Illinois student, you have agreed to abide by the University's standards of conduct. Please review the guidelines regarding academic integrity found at: <http://www.uic.edu/ucatalog/GR.shtml>. All academic work must meet the standards described in the Undergraduate Catalog. Lack of knowledge of the academic honesty policy is not a reasonable explanation for a violation. Questions related to course assignments and the academic honesty policy should be directed to the instructor.

Extra Help: Do not hesitate to come to my office during office hours or by appointment to discuss a homework problem or any aspect of the course. You also may want to consider the Mathematical Sciences Learning Center (MSLC) free tutoring in room 430 SEO. It is open from 8AM to 5PM M-F. Information is available at: <http://www.math.uic.edu/undergrad/mslc/>

Attendance Policy: Students are expected to attend classes regularly.

Course Website: math.uic.edu/~apsward/Math180/index.html