

Instructor: Burns Healy

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Course Website: <http://trunk.tufts.edu>

Course Meetings Times: Tuesday, Wednesday, Thursday: 10:00 am - 12:15 pm, Bromfield-Pearson 002

Office Hours: MTWR: 1:00 pm - 2:00 pm, Bromfield Pearson 207 and by appointment.

Required Materials: *MyMathLab Student Access Kit* from Addison Wesley (Pearson), which is available online at <http://www.pearsonmylab.com>. You can also buy the Access Kit packaged with a hardcopy of the textbook, *Calculus: Early Transcendentals* **OR** *Single Variable Calculus*, by William L. Briggs and Lyle Cochran, Addison Wesley (Pearson), 2010, from the bookstore. The Student's Solutions Manual is available, but not required. The Complete Solutions Manual will be held on reserve in the Tisch Library. The MyMathLab course ID is **healy73286**

Exams and Grading: The two midterm exams will occur on **July 10** and **July 24** both during the regular class meeting time. The full department policy on exams and grading can be found on the department website: <http://math.tufts.edu/courses/examPolicy.htm>. Students found violating this policy will receive an F in the course and be reported to the Dean of Students.

Disability Services: If you are requesting an accommodation due to a documented disability, you must register with the Disability Services Office at the beginning of the semester. To do so, call the Student Services Desk at 617-627-2000 to arrange an appointment with Linda Sullivan, Program Director of Disability Services.

Homework and quizzes: After each lecture, there will be a homework assignment on MyMathLab due before the next class. Each assignment is weighted equally, but your lowest three scores will be dropped. Late homework is not accepted. Additionally, there will be three quizzes, given on Thursdays when there is not an exam.

Grades: Suppose that H is your electronic homework average, Q is your quiz average, L is the lower of your two midterm exam scores, T is your other midterm exam score, and F stands for your final exam score. Your course average is the larger of these two numbers:

$$.2 L + .25 T + .35 F + .1 Q + .1 H \quad \text{or} \quad .25 L + .25 T + .3 F + .1 Q + .1 H$$

If you miss a midterm exam for a reason accepted as legitimate by the Mathematics Department, your course average would become the larger of these two numbers:

$$.3 T + .45 F + .15 Q + .1 H \quad \text{or} \quad .25 T + .5 F + .15 Q + .1 H$$

The course average is converted into a letter grade according to the conversion chart given on the Mathematics Department website at <http://math.tufts.edu/courses/gradingSchemes.htm>.

Learning Objectives: This course satisfies Learning Objective 1a as listed at <http://ase.tufts.edu/faculty/committees/objectives/math.htm>.

Attendance: If you miss class, it is *your responsibility* to make up anything you may have missed. Confer with your classmates regarding announcements, lecture notes, and any other activities and information from class.

Lecture Schedule

Dates	Topic	Comments
July 1	2.1, 2.2: Introduction to Limits 2.3: Computing Limits	
July 2	2.4: Infinite Limits 2.5: Limits at Infinity	
July 3	2.6: Continuity 3.1: Introduction to the Derivative Quiz	
July 8	3.2: Rules of Differentiation 3.3: Product and Quotient Rules	Last day to ADD course
July 9	3.4 Derivatives of Trigonometric Functions Review	
July 10	First Midterm 10:00 am - 11:15 am 3.6: Chain Rule	
July 15	3.7: Implicit Differentiation 3.8: Derivatives of Logs and Exponentials	Last Day to Withdraw without Grade of "W"
July 16	4.1: Maxima and Minima 4.2: What the Derivative Tells Us	
July 17	4.7: L'Hospital's Rule 4.3: Graphing Functions	
July 22	4.4: Optimization 4.5: Linear Approximation	
July 23	4.6: Mean Value Theorem Review	
July 24	Second Midterm 10:00 am - 11:15 am 4.8: Antiderivatives	
July 29	5.1: Approximating Area 5.2: Definite Integrals	
July 30	5.3: Fundamental Theorem of Calculus 5.4: Working with Integrals	
July 31	5.5: Substitution 6.2: Regions Between Curves	
August 5	6.1: Velocity and Net Change	
August 6	Final Review	
August 7	Final Exam 10:00 am - 12:15 pm	

Please note this schedule is subject to change