Math 34 | Tufts University | Summer 2015
Calculus II | Department of Mathematics | Session 2

Instructor: Burns Healy
Email: Brendan.Healy@tufts.edu
Course Website: `http://trunk.tufts.edu`
Course Meetings Times: Monday through Friday: 10:45 am - 12:05 pm, 574 Boston Avenue Room 204
Office: 574 Boston Avenue, 106G
Office Hours: TWR: 1:00 pm - 2:00 pm 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 **healy71738**

Exams and Grading: The two midterm exams will occur on Friday, **July 10** and Friday, **July 24** both during the regular class meeting time. The final will be during class time on **August 7**. 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.

Student Accessibility Services: If you are requesting an accommodation due to a documented disability, you must register with the Student Accessibility 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, Director of Student Accessibility Services.

Homework and quizzes: After each lecture, there will be a homework assignment on MyMathLab due the day of 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 Fridays when there is not an exam, except the first week, when it will be on Thursday.

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

Date	Topic	Section	Comments
June 30th	Integration Review	Chapter 5	First day of class
July 1st	Area Between Curves	6.2	
July 2nd	Volumes by Slicing	6.3	Quiz at the end of class
July 6th	Volume by Shells	6.4	
July 7th	Integration by Parts	7.1	
July 8th	Integration of Trigonometric Functions	7.2	
July 9th	Review	6.2-7.2	
July 10th	**Exam I**		
July 13th	Trigonometric Substitution	7.3	
July 14th	Integration by Partial Fractions	7.4	
July 15th	Improper Integrals	7.7	
July 16th	Intro to Sequences and Series, Limits of Sequences	8.1-8.2	
July 17th	Series	8.3	Quiz at the end of class
July 20th	Divergence and Integral Tests	8.4	
July 21st	Ratio, Root, and Comparison Tests	8.5	
July 22nd	Alternating Series	8.6	
July 23rd	Review	7.4 + 7.7 + 8.1-8.6	
July 24th	**Exam II - Cumulative**		
July 27th	Approximating Functions with Polynomials	9.1	
July 28th	Properties of Power Series	9.2	
July 29th	Taylor Series	9.3	
July 30th	Properties of Taylor Series	9.4	
July 31st	Parametric Coordinates	10.1	Quiz at the end of class
August 3rd	Polar Coordinates	10.2	
August 4th	Calculus in Polar Coordinates	10.3	
August 5th	Extra Material and/or Review		
August 6th	Review	All sections	
August 7th	**Final Exam - Cumulative**		

Please note this schedule is subject to change