Math 34 | Tufts University | Summer 2017
Calculus II | Department of Mathematics | Session 2

Instructor: Burns Healy
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Course Meetings Times: Monday through Thursday: 10:45 am - 12:30 pm, Bromfield-Pearson 005
Office: 574 Boston Avenue, 106G
Office Hours: Monday and Thursday: 1:30 pm - 2:30 pm, Wednesday: 9:30 am - 10:30 am 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 will be posted shortly at webhosting.math.tufts.edu/bhealy.

Exams and Grading: The two midterm exams will occur on Thursday, **July 13** and Thursday, **July 27** both during the regular class meeting time. The final will be during class time on Thursday, **August 10**. 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: 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 will 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.

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.

Lecture Schedule

Date	Topic	Section	Comments
July 5th	Integration Review + Areas between Curves	Chapter 5 + 6.2	First day of class
July 6th	Volume by slicing	6.3	Quiz at the end of class
July 10th	Volume by Shells	6.4	
July 11th	Integration by Parts	7.1	
July 12th	Integration of Trigonometric Functions	7.2	
July 13th	**Exam I**	6.2-7.2	
July 17th	Trigonometric Substitution	7.3	
July 18th	Integration by Partial Fractions + Improper Integrals	7.4-7.5	
July 19th	Intro to Sequences and Series, Limits of Sequences	8.1-8.2	
July 20th	Series	8.3	Quiz at the end of class
July 24th	Divergence and Integral Tests	8.4	
July 25th	Ratio, Root, and Comparison Tests	8.5	
July 26th	Alternating Series	8.6	
July 27th	**Exam II - Cumulative**		
July 31st	Approximating Functions with Polynomials	9.1	
Aug 1st	Properties of Power Series	9.2	
Aug 2nd	Taylor Series	9.3-9.4	
Aug 3rd	Parametric Coordinates	10.1	Quiz at the end of class
August 7th	Polar Coordinates	10.2	
August 8th	Calculus in Polar Coordinates	10.3	
August 9th	Review for Final	All sections	
August 10th	**Final Exam - Cumulative**		

Please note this schedule is subject to change