Syllabus - Math 042 Spring 2016 - Calculus III

Tufts University Department of Mathematics

Sections and Instructors

- 01 (block B) and 04 (block F)- Jessica Dyer <jessica.dyer@tufts.edu>

- 02 (block C) - Andrew Sanchez <andrew.sanchez@tufts.edu>

- 03 (block E) - Yusuf Mustopa <yusuf.mustopa@tufts.edu>

Course Details

- **Course website**: Find course materials on trunk: `http://trunk.tufts.edu`.

- **Text**: *Transcendentals*, 2nd ed **OR** *Multivariable Calculus*, 2nd ed, by William Briggs and Lyle Cochran, Bernard Gillett (Pearson), 2011.

  Notes:

  - The 2nd textbook edition is preferred, but the list of homework problems has tables for both editions.
  - The Student's Solutions Manual is available for sale at the bookstore, but it is not required for the course.

Exams and grading

- **Exam Schedule**: There are three exams for the course – two midterms and a final. Books, notes or calculators may not be used during the exams.

  - **Midterm 1** Monday Feb 22 at 12:00-1:20pm
  - **Midterm 2** Monday Apr 4 at 12:00-1:20pm
  - **Final Exam** Monday May 9 at 8:30-10:30am

- **Policies**: The full department policy on exams and grading can be found by following this link:

  `http://math.tufts.edu/courses/examPolicy.htm`

  Especially, your signature on your exam book pledges that you have neither given nor received assistance on the exam. Students violating this pledge will be reported to the Dean of Students and will receive an F in the course.

- **Missed Exams**:

  Make-up exams mid-terms will not be given under any circumstance. At the discretion of the department, you can receive an excused absence from a midterm for genuine emergencies (illness on the day of the exam) or for unavoidable and unforeseen events of an extremely serious nature. To receive an excused absence you must have the appropriate documentation (a note from Health Services or from your dean) and you must complete an affidavit explaining the reason for your absence and pledging the honesty of your explanation. You will need to see Gail Kaufmann, Bromfield-Pearson room 110 to fill out this affidavit. If you miss a midterm exam and do not receive an excused absence, you will receive a zero on that exam. A more detailed explanation of department policy on missed exams can be found at the above URL on departmental exam policy.

Homework Problem Sets

The attached schedule lists the lectures for the course, the textbook sections that will be covered in that lecture, and an associated problem set. Beginning with the problem set associated with the 3rd lecture on the schedule, each problem set will be collected in the subsequent lecture.

Homework will be graded and returned. Each assignment is worth 10 points. Problems with an asterisk (*) will be graded more carefully. Answers alone are not adequate. You must show your work, just as you will be required to do on an exam. You are encouraged to collaborate with other students and to check your solutions using the solutions manuals or the back of the text. However, you must submit your own solutions in your own writing for each assignment. Late homework will only be accepted in case of documented illness or family emergency.

Homework will be collected using folders handed out in class. Please write clearly on your folder an identifier (something that you will recognize), the course and section number (e.g. 42-01), and your instructor's name. Feel free to use your name as your identifier, but the homework folders are handed off between instructor and grader in a way that does not ensure their confidentiality (usually by way of drawers in the lobby of Bromfield-Pearson Hall). Your educational record is privileged information under the federal Family Educational Rights and Privacy Act (FERPA), and using your name as identifier means that you opt out of being guaranteed the confidentiality of the information on and in your homework folder. If you choose an identifier rather than your name, you must inform your instructor immediately of your identifier, so that you get appropriate credit for your homework.

Grading

Your grade in the course will be determined by scores on the midterms and the final exam, together with your homework score.

- **Course Score**: Let H be your homework score, let F be your score on the final exam, and let $M \geq M'$ be your scores on the midterm. Your **course score** is the larger of the following two numbers:

$$.20M' + .30M + .45F + .05H \quad \text{or} \quad .30M' + .30M + .35F + .05H.$$

- **Excused exam absence**: If you receive an excused absence on one of the two midterm exams, your course score will be the larger of these two numbers:

$$.30M + .65F + .05H \quad \text{or} \quad .40M + .55F + .05H.$$

- **Letter Grade**: Your course score will be used to determine the letter grade you receive in the course, according to the following chart:

A+	A	A-	B+	B	B-	C+	C	C-	D+	D	D-	F
98-100	93-97	90-92	88-89	83-87	80-82	78-79	73-77	70-72	68-69	63-67	60-62	0-59

To receive an A+, you must recieve at least a 98 **before rounding** your course score.

Student Accessibility Services:

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

Learning Objectives

This course satisfies Learning Objective 1a as listed at

http://ase.tufts.edu/faculty/committees/objectives/math.htm