

Sections and Instructors: **01** (Block B) Taylor, **02** (Block C) McLeod, **03** (Block D) Teixidor, **04** (Block F) McLeod, **05** (Block H) Taylor **06** (Block J) Wolak, **07** (Block H) Healy.

Course Website

For written assignments, exam reviews, and announcements: <http://trunk.tufts.edu>

MyMathLab Website

For online Homework: <http://portal.mypearson.com/>

Required Materials: *MyMathLab Student Access Kit* from Addison Wesley (Pearson), which is available online at www.pearsonmylab.com. You can also buy the Access Kit packaged with a hardcopy of the textbook, *Calculus: Early Transcendentals OR Multivariable 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. Copies of the textbook as well as The Complete Solutions Manual are held on reserve in the Tisch Library.

Exam Dates: There will be two in-term exams and a final.

EXAM 1: Monday, September 30,, noon–1:20 p.m.

EXAM 2: Monday, November 4, noon–1:20 p.m.

FINAL EXAM: Friday, December 13, 8:30 a.m.–10:30 a.m.

Exams and Grading: The full department policy on exams and grading can be found on the department website: <http://math.tufts.edu/>. Select *Exams and Grading Policy*. 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: There are two types of homework assignments. You will get a final score for each of these sets and your total homework score will be the average of these two final scores. Therefore, both assignments are weighted equally.

1. Online homework is assigned for each lecture, through the MyMathLab website. See handouts for more information and see the MyMathLab codes below to register for your section. Assignments for classes up to and including Friday, September 6 will be due at 11:59 pm on Wednesday September 11 (but you are strongly encouraged to submit them as soon as the material has been covered in class). All subsequent assignments will be due at 11:59 pm on the day of the following lecture. Each assignment is weighted equally, but your lowest three scores will be dropped.
2. One handwritten problem is assigned per week and should be turned in to your instructor on a date determined by them. The written problems will be collected using folders handed out in class. Please mark your folder with your name, the course and section numbers These assignments will be graded as if it were an exam question. The assignments can be found under the Homework tab of the course website on trunk Solutions will also be posted there before each exam. Your lowest score will be dropped.

For both types of homework, you are encouraged to collaborate with other students and to check your solutions using the solutions manuals. However, you must submit your own solutions using your own MyMathLab account for the online homework and in your own writing for the weekly assignment.

MyMathLab course IDs: **01** (Block B) `taylor27379`, **02** (Block C) `mcleod93328`, **03** (Block D) `teixidor69313`, **04** (Block F) `mcleod93492`, **05** (Block H) `taylor38255`, **06** (Block J) `wolak01666`, **07** (Block H) `healy78052`.

Grades: Suppose that H is your homework score ($H = \frac{1}{2}(O + W)$, where O is your online homework score and W is the written assignment score), 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:

$$.2 L + .3 T + .4 F + .1 H \quad \text{or} \quad .3 L + .3 T + .3 F + .1 H.$$

If you miss a midterm exam **FOR A REASON ACCEPTED AS LEGITIMATE BY THE MATH DEPARTMENT**, your course average would become the larger of these two numbers:

$$.25 T + .65 F + .1 H \quad \text{or} \quad .4 T + .5 F + .1 H.$$

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/>.

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

Course Schedule

Lecture	B,F,H	C	D,J	Sections	Topic
1	9/3	9/3	9/3	11.1, 11.2	Introduction to Vectors
2	9/5	9/4	9/5	11.3	Dot Products
3	9/6	9/6	9/9	11.4	Cross Products
4	9/10	9/10	9/10	11.5	Lines and Curves
5	9/12	9/11	9/12	11.6,11.7	Calc. of Vector-Valued Functions,& Motion
6	9/13	9/13	9/16	11.8 - 11.9-12.1	Arc Length
7	9/17	9/17	9/17	12.1	Planes and Surfaces
8	9/19	9/18	9/19	12.1	Quadric Surfaces
9	9/20	9/20	9/23	12.2	Graphs
10	9/24	9/24	9/24	12.4	Partial Derivatives
R_1	9/27	9/27	9/30, 9/26	Review	
Exam 1: Monday 9/30, 12:00-1:20					
Covers up to 12.4					
11	9/26	9/25	9/26,9/30, 9/	12.5,12.6	Chain Rule Directional Deriv.
12	10/1	10/1	10/1	12.6	Gradients
13	10/3	10/2	10/3	12.7	Tangent Planes
14	10/4	10/4	10/7	12.8	Max/Min Problems
15	10/8	10/8	10/8	12.8	Max/Min Problems
16	10/10	10/9	10/10	12.9	Lagrange Multipliers
17	10/11	10/11	10/15	13.2	Double Integrals
18	10/17	10/16	10/17	13.2	Double Integrals
19	10/18	10/18	10/21	13.3	Double Integrals (Polar)
20	10/22	10/22	10/22	13.4	Triple Integrals
21	10/24	10/23	10/24	13.4	Triple Integrals
22	10/25	10/25	10/28	13.5	Triple Integrals (Cylindrical)
23	10/29	10/29	10/29	13.5	Triple Integrals (Spherical)
R_2	11/1	11/1	11/4,10/31	Review	
Exam 2: Monday November 4, 12:00-1:20					
Covers up to 13.5					
24	10/31	10/30	10/31, 11/4	14.1,14.2	Vector Fields & Integrals
25	11/5	11/5	11/5	14.2	Line Integrals
26	11/7	11/6	11/7	14.3	Conservative Fields
27	11/8	11/8	11/12	14.3	Conservative Fields
28	11/12	11/12	11/14	14.4	Green's Theorem
29	11/14	11/13	11/18	14.4,14.5	Green's Thm & Div, Curl
30	11/15	11/15	11/19	14.6	Surface Integrals
31	11/19	11/19	11/21	14.6	Surface Integrals
32	11/21	11/20	11/25	14.6	Surface Integrals
33	11/22	11/22	11/26	14.6	Surface Integrals
34	11/26	11/26	12/2	14.7	Stokes' Theorem
35	12/3	12/3	12/3	14.8	Divergence Theorem
36	12/5	12/4	12/5		Grad, Div, Curl, Applications
R_3	12/6	12/6	12/9	Review	
Final Exam: Friday December 13, 8.30-10.30					
Cumulative					