

MATH 340
Tu-Th 10:00 a.m. - 11:45 a.m.
MTH 0304

Andrea Bonito
MVC-LA
Fall 2007

Syllabus MA340: Multivariable Calculus and Linear Algebra

Information on the class web page supersedes any information on this sheet:
<http://www.math.umd.edu/~bonito/MTH340.html>

Instructor

ANDREA BONITO, Office: MTH 4104, Office Hours:
We 10:00 a.m. - 12:00 p.m. and Fr 11:00 a.m. - 12:00 p.m.,
Phone (301) 405-5070, email: bonito@math.umd.edu.

Textbooks

- [1] Susan J. Colley, *Vector Calculus*, 3rd edition, ISBN 0-13-185874-2;
- [2] Charles G. Cullen, *Matrices and Linear Transformations*, 2nd edition, ISBN 0-486-66328-0.

Course Description

This class will cover most of the material from MATH 240 (Linear Algebra) and MATH 241 (Multivariable Calculus). The remaining material, as well as the content of MATH 246 (Ordinary Differential Equations) will be covered in MATH 341 next semester. This semester we will cover most Colley's book, aside from Chapter 4, and Chapters 1-3 in Cullen's book. *This class will be intensive*; the material in this 4 credit course represents about 6 credits worth of material in the regular courses, and we will cover it in greater depth than those do.

Homework and Quizzes

Homework will be assigned weekly but not collected. They will not be announced in class but be posted on the class web site one week prior to the due date. On the due dates we will have a brief quiz (closed book, closed notes) with problem selected from the assigned homework. Your 3 lowest quiz scores will be dropped.

Office Hours

You have priority over graduate students and other people I work with during my office hours. You are welcome to stop by without appointment during the office hours. *Please use the office hours!* If you are not able to come during regular office hours, you still have the possibility to schedule an appointment by email, I will do my best to be available.

Computer Assignments

Computer assignments involving MATLAB will be given on an occasional basis. On the computer assignments, you may work in groups of at most 3 people; each group will turn in a single printed report and each member of the group will receive the same grade for the assignment.

Exam Schedule and Final Grade

Examination dates and the recipe for your final grade are as follows:

Exam	Date	Weight
Quizzes	on due date	15 %
Computer assignments	on due date	10 %
1st midterm examination	October 11	25 %
2nd midterm examination	November 29	25 %
Final exam	December 13	25 %

Make-up

There will be no make-up quizzes. Make-up examinations for the midterm Exams 1 & 2 will be given *only* in the case of an absence caused by illness, religious observance, participation in a University activity at the request of the University authorities, or compelling circumstances beyond the students' control. Convincing documentation such as a doctor's note will be required. If possible, an absence should be arranged before the exam.

Academic Integrity

You should know the campus Code of Academic Integrity, see

<http://studenthonorcouncil.umd.edu/code.html>.