

Math 241 Section 01** Spring 2012

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Basic Course Syllabus

First and Foremost: This paper syllabus is a very basic outline of the course. For all the delicious details see: <http://www.math.umd.edu/~jow/241spring12/>.

Description: Math 241 is the most advanced of the three basic calculus courses. We shall cover such topics as vectors, vector-valued functions, multiple integrals, line and surface integrals as well as the important fundamental calculus theorems.

Schedule: The website contains a comprehensive course schedule. The most important dates are the four exams (Wed 2/22, Wed 3/14, Fri 4/13, Fri 5/4) and the final (Sat 5/12). Warning: The course hits the ground running. We need to move fast because chapter 15 needs to be done slowly and carefully.

Material: We shall be using *Calculus*, by Ellis & Gulick, 6th Edition (ISBN 0-759-31379-2). The homework will come from this book, so you need to own it or have constant access to a copy. Calculators will not be permitted on exams.

Homework: Homework is posted on the class website. It is not collected. You should do it or else you won't learn anything.

Quizzes: There will be a quiz at least once per week in discussion. At least one quiz question (and possibly all) will come directly and verbatim from the assigned homework listed online.

Exams: There will be four exams plus a cumulative final exam. Your final counts as 200 points plus if half the final is greater than your lowest exam then half the final will also replace your lowest exam.

Matlab: There will be four short Matlab projects which should be manageable even if you don't (yet) know MATLAB. The fourth Matlab project will be an in-discussion Matlab quiz. Due dates to be announced.

Point Total:

Exams	=	400 points
Quizzes	=	100 points
Matlab	=	100 points
Final	=	200 points
Total	=	800 points

The cutoffs will be 90%=A, 80%=B, 70%=C, 60%=D unless a curve is warranted.