Math 2263: Multivariable Calculus
Summer 2015

Instructor     John Goes
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Time & Location MTWThF 09:05am - 11:00am in Bruininks Hall 144 (aka STSS)
Office Hours    11:15am - 12:05pm
Textbook       Calculus: Early Transcendentals (Vol 2, 7th Ed.), by James Stewart
Website        http://math.umn.edu/~johngoes/math2263

Course Description. The goal of this course is to generalize the ideas of single-variable
calculus (Calculus I & II) to functions of more than one variable. We will begin with
a review of vectors and then discuss partial derivatives, double and triple integrals, and
vector calculus. The highlight of the course will be a collection of theorems that play the
role of the Fundamental Theorem of Calculus in this new setting: the Fundamental Theorem
of Line Integrals, Green’s Theorem, Stokes’ Theorem, and the Divergence Theorem.

Prerequisites. A grade of C- or better in Math 1272, 1372, or 1572 (or equivalent).

Homework & Quizzes. Suggested homework exercises are given in the course schedule
and will not be turned in for grading. Instead, there will be a total of 11 in-class quizzes
with questions based on the suggested exercises. Your lowest quiz score will be dropped.

Exams. There will be a total of three 50-minute midterm exams and one cumulative final
exam. All of the exams (including the final) will be taken in our usual classroom during
the usual time.

   1st midterm: Friday, June 26th
   2nd midterm: Friday, July 10th
   3rd midterm: Friday, July 24th
   Final exam: Friday, August 7th

Evaluation. There are a total of 600 points in the course, divided as follows:

   Quizzes: 100 pts (10 pts each)
   Midterms: 300 pts (100 pts each)
   Final Exam: 200 pts

The course gradelines will be adjusted based on the distribution of scores in the course, but
will be no more strict than the following:

   100 - 90% A    89 - 80% B    79 - 70% C    69 - 60% D    59 - 0% F

In other words, if you earn 80% of the points in the course, then you are guaranteed at least
a B-; however, if few students earn more than 80% of the points, then you may receive a
higher grade. I will draw gradelines for each exam so that everyone can get a sense of where
they stand.
Other Policies. We will follow all University and College policies regarding academic honesty and other matters. This includes:

Calculators: Scientific calculators will be allowed on quizzes and exams, but all work must be completely written out so that it can be understood without the use of a calculator. (Graphing calculators will not be allowed.)

Drop Dates: You may drop this course without my approval and without receiving a W on your record until July 3rd. For more information see [http://onestop.umn.edu/calendars/cancel_add_refund_deadlines/Summer_2014.html](http://onestop.umn.edu/calendars/cancel_add_refund_deadlines/Summer_2014.html).

Makeups: There will be no makeup quizzes or exams given. If you have a legitimate excuse for missing an exam (e.g., death in the family, serious illness), then your scores on the other three exams will be rescaled to make up for this. Please contact me as soon as possible if you are not able to take an exam.

Disability Accommodations: See [https://diversity.umn.edu/disability/](https://diversity.umn.edu/disability/).

Scholastic Dishonesty: This includes plagiarizing, cheating on an exam or quiz, using a graphing calculator, and obtaining exams without faculty permission. Scholastic dishonesty will not be tolerated and will be grounds for receiving an F or N for the entire course.

Incompletes: An “I” can be given as a final grade only if all but a small portion of the coursework has been successfully completed and you have a very serious reason for not completing the rest of the coursework.

Complaints: If you have a complaint about teaching or grading, try to resolve the problem with me first. If no conclusion can be reached, contact Prof. Mosher, the Director of Undergraduate Studies for the Math department.