MATH 1320 Spring 2018
Calculus II

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Office Hours: T 1:00 - 2:00; W 2:00 - 3:00
and by appointment

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Office Hours: T 2:00 - 3:00; W 11:00 - 12:00

Class Meetings: MWF 10:00 - 10:50; Clark Hall 102
Prerequisites: Math 1310 (Calculus I) or equivalent

Textbook: Stewart, *Single Variable Calculus*, 7^{th} ed. Every student must purchase a webassign access code for the class, which comes with a digital version of the text. It is each student's choice whether or not to purchase a physical copy, which may be bundled with a code. If you have previously purchased a code for the 7^{th} edition, it will still give you access for this semester.

General Policy: Students are expected to attend class and, in the event of an absence, are responsible for making up any missed material or work. Students are also encouraged to participate and to ask questions during class. Calculus can be difficult, but it is learned best through practice; I will be happy to work with students in class and in office hours to ensure the best understanding of the subject. In the end, the skills we will stress are *critical thinking* and *problem-solving*. Calculators are permitted on neither quizzes nor tests.

Topics: We will cover a variety of topics in this class, including algebraic techniques of integration; further applications of integration; differential equations and modeling; the parametric and polar coordinate systems and their applications; sequences, series, and Taylor polynomials. This list is by no means exhaustive, but does accurately describe the majority of the semester, and corresponds roughly to chapters 7 through 11 of the text.

Homework: Homework will be assigned weekly on Webassign. It will be assigned on Friday and due the following Thursday. Since calculators are not permitted on quizzes and tests, I encourage you to use them sparingly on the homework, but computations will sometimes require them. Late homework will not be accepted. The lowest Webassign grade will, however, be dropped. We will also have a written homework assignment due after completing each of the four units; these allow students to practice communicating mathematics, encounter more challenging problems, and receive more comprehensive feedback than would be possible on Webassign.

Quizzes: Each week during the Tuesday discussion section, we will have a quiz covering the previous week's material. These serve the dual purpose of both preparation for working in a test environment and practice in effectively writing and communicating your ideas in calculus. Quizzes may not be made up; rather, I will calculate your grade using only your ten highest scores.

Exams: There will be two midterms and a final. As Math 1320 is a coordinated course, all tests are jointly written and all students take a common exam. The midterms will be

held on Wednesday, February 21, and Wednesday, April 11; they will begin at 7:00 PM and will last 90 minutes. For students with midterm time conflicts, there will be a make-up exam given on the following morning at 7:20 AM, for which requests must be submitted at least a week before the test. Exams are closed-book, with no calculators permitted. In exceptional cases in which a student cannot sit either exam time, that student must notify me as soon as possible (and at least one week in advance of the test date), and we will find a more amenable time. The final will be held on Tuesday, May 8, at 7:00 PM; this exam is comprehensive (with a slight bias toward material that was not represented on either Midterm) and will last three hours.

Grading:

Webassign Homework: 10%
Written Homework: 5%
Quizzes: 10%
Midterms: 20% (first); 25% (second)
Final: 30%

Attendance or participation do not go toward a specific grade, but can be an influence in cases of "borderline" grades. Grades will be assigned according to the following standard:

Numerical Range	Letter Grade
$98 \leqslant \text{grade} \leqslant 100$	A+
$93 \leqslant \text{grade} < 98$	A
$90 \leqslant \text{grade} < 93$	A-
$87 \leqslant \text{grade} < 90$	B+
$83 \leqslant \text{grade} < 87$	B
$80 \leqslant \text{grade} < 83$	B-
$77 \leqslant \text{grade} < 80$	C+
$73 \leqslant \text{grade} < 77$	C
$70 \leqslant \text{grade} < 73$	C-
$67 \leqslant \text{grade} < 70$	D+
$63 \leqslant \text{grade} < 67$	D
$60 \leqslant \text{grade} < 63$	D-
$\text{grade} < 60$	F

The above table should be viewed as a "floor" for grades; that is, if you receive a final score in a given range, you should expect a grade no less than the one specified above.

Honor Code: The Honor Code will be strictly observed in this class. Every assessment, unless otherwise noted, is consider pledged. You can relay any questions on honor-related matters in this class to me.

Special Accommodations: All students with special needs requiring accommodations should present the appropriate paperwork from the Student Disability Access Center (SDAC). It is the student's responsibility to present this paperwork in a timely fashion and follow up with me about the accommodations being offered. Accommodations for test-taking should be arranged at least 5 business days before an exam.

Resources: Requests for (paid) private tutors may be sent to math-help@virginia.edu. In addition to private tutors, the university provides free tutoring through the Math Tutoring Center at the Academic Commons in Gilmer Hall.

Miscellanea: In class, please be courteous: arrive on time and stay until in the end of class. Please keep cell phones and laptops off and stowed away during class; I'll let you know ahead of time if you'll be needing them. If a circumstance arises that affects your performance in the course, you should inform me *before* it influences your grade. Lectures are a good starting point, but the best understanding comes from getting your own hands dirty: give the material a look before lecture, and spend some time reviewing and practicing afterward.