Course: Math 019 Fundamentals of Calculus I, Sections E/F, Fall 2015

Instructor: Andy Reagan

Email: `andrew.reagan@uvm.edu` (please include Math 19 in subject)

Office: 200C Farrell Hall (2nd floor, on Trinity Campus)

Office Hours: Wednesday 1PM-2PM with Finn 🐾, or Thursday 12PM-1PM. I'll also be at the help sessions on Thursday night.

Webpage:

- Section E: `andyreagan.github.io/pages/uvm-math-019-fall-2015-e.html`
- Section F: `andyreagan.github.io/pages/uvm-math-019-fall-2015-f.html`

Class Coordinates:

- Section E: T/R 8:30AM-9:45AM, Votey 361
- Section F: T/R 10:05AM-11:20AM, Votey 361

Book: *Calculus with Applications 10th Edition* by Lial, Greenwell and Ritchey. (Please note that you will want the MyMathLab Supplement that comes packaged with the textbook. You may wish to only purchase the MyMathLab Supplement which includes an e-book or electronic version of the textbook. The UVM Bookstore offers both options!)

Course Description: Fundamentals of Calculus I is the first course in a two course sequence. The underlying applications of differential calculus will be investigated (chapters 1 - 7 of the Lial textbook). This will include an understanding of functions, limits, continuity, rates of change, derivatives (including implicit), and derivative applications. The material will be discovered and shown via mathematical modeling of real world situations. An emphasis will be made to understand these new concepts graphically, numerically, verbally, and algebraically. The course work will involve some fairly intense computations and mathematical modeling, and it is required that students purchase or obtain an appropriate calculator. A TI-83/84 Graphing calculator is highly recommended, but a basic scientific calculator capable of performing exponential, logarithmic and trigonometric operations is adequate. Any calculators capable of performing symbolic algebra or calculus computations are prohibited. Students will be allowed to use a calculator on all assignments, quizzes and tests, but please be aware that the instructor may ask for all work to be shown in order to receive credit.

Grading: The grading system is as follows:

- **MyMathLab ASSIGNMENTS (10%)** — Following each section covered, each student must log on to the MyMathLab system and complete a companion homework assignment that follows the material covered in class. You will be given several attempts to answer each question, and you can utilize the book and all of the aids offered within the MyMathLab system to help solve the problems. Each assignment should take roughly 45 minutes to complete, and you will have several days to complete the assignments. At the end of the semester, I will drop the lowest 4 MyMathLab Assignments and average the remaining assignment grades. This average will count towards 10% of your final grade. The COURSE ID for both sections is `reagan42195`.
- **CLASS QUIZZES (20%)** — Each week, on Thursday, we will have a short 10 - 15 minute quiz. The quiz will cover materials from previous lectures and will be your chance to show me that you are keeping active in the course. All quizzes are closed notebook, and each quiz will be weighted the same. After the last quiz has been taken, I will drop the lowest 2 quiz grades and average the remaining grades. This average will count towards 20% of your final grade.

- **TESTS (40%)** — There will be two midterm tests. All tests are closed notebook. Each test will count towards 20% of your final grade.
- **FINAL EXAM (30%)** — There will be a cumulative final exam given at the end of the semester. The final exam is closed notebook. The final exam will count towards 30% of your final grade.

Note: Based on the above given grading formula, you will end the class with a percentage grade. Depending on the value of this percentage grade, I will use the following table to issue your Class Grade.

Grade	Score
A+	100
A	94 - 99
A-	90 - 93
B+	87 - 89
B	83 - 86
B-	80 - 82
C+	77 - 79
C	73 - 76
C-	70 - 72
D+	67 - 69
D	63 - 66
D-	60 - 62

Expectations: Students are expected to act in accordance to the rules outlined in the schools Classroom Code of Conduct. A copy can be found online. In addition to these rules, students shall respect the thoughts and ideas of both the instructor and the other students present in the class. The instructor shall also adhere to these same rules. Also, please turn off all cell-phones, pagers, walkmans, CD-Players, mp3-Players, and any other noise making doodads during the class.

Attendance: In accordance with University Policy, I will allow for students to miss classes due to religious observances, varsity sporting matches or any other UVM Sanctioned Activity. All requests for missed classes should be submitted in writing to the instructor within the first two weeks of class.

Late Work/Absences: If you miss a Quiz for a non-sanctioned UVM activity, you will receive a 0% on this quiz. Remember that I will drop your two lowest grades for this very reason. MyMathLab assignments submitted late will incur a penalty. The penalty for late MyMathLab assignments is stated on the specific assignment. Make-up tests will be given if an emergency arises.

Office Hours/Help Sessions: My office hours are listed at the top. Help sessions staffed by graduate students are scheduled to run throughout the semester and times and locations will be given here: `http://www.uvm.edu/~cems/mathstat/?Page=classes/help-sessions.php&SM=classes/_classesmenu.html`.

Academic Assistance: Students with documented learning disabilities are entitled by law to certain reasonable accommodations. If you have a documented reason for special accommodations, you must provide written evidence of this as soon as possible from the appropriate office. Further info can be found at the Academic Support Program Offices. Here is a tentative course schedule. I may get ahead or behind in the material covered, but Quiz and Test dates are locked in.

Tentative Schedule:

Tuesday	Thursday
2015-09-01: Chapters 1-4	2015-09-03: Chapters 1-4 **Quiz 1**
2015-09-08: Chapters 1-4	2015-09-10: Chapters 1-4 **Quiz 2**
2015-09-15: Chapters 1-4	2015-09-17: Chapters 1-4 **Quiz 3**
2015-09-22: Chapters 1-4	2015-09-24: Chapters 1-4 **Quiz 4**
2015-09-29: Chapters 1-4	2015-10-01: Chapters 1-4 **Quiz 5**
2015-10-06: Review	2015-10-08: **Exam 1**
2015-10-13: Chapters 4-6	2015-10-15: Chapters 4-6 **Quiz 6**
2015-10-20: Chapters 4-6	2015-10-22: Chapters 4-6 **Quiz 7**
2015-10-27: Chapters 4-6	2015-10-29: Chapters 4-6 **Quiz 8**
2015-11-03: Chapters 4-6	2015-11-05: Chapters 4-6 **Quiz 9**
2015-11-10: Chapters 4-6	2015-11-12: Chapters 4-6 **Quiz 10**
2015-11-17: Review	2015-11-19: **Exam 2**
2015-11-24: Thanksgiving break	2015-11-26: Thanksgiving break
2015-12-1: Chapter 7	2015-12-3: Chapter 7 **Quiz 11**
2015-12-8: Review	

– Section E Final Exam: December 14th, 7:30AM-10:30AM Votey 361 (our class room)

– Section F Final Exam: December 15th, 10:30AM-1:30PM Votey 361 (our class room)