

ROSS SUMMER CONNECTION – CALCULUS I

Summer 2019

Instructor: Anthony Della Pella
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Time: MTThF: 1:00 – 2:30
Office Hours: TTh: 12:00 - 1:00
MTW: 4:30 - 6:30

Course Pages:

- canvas.umich.edu
- instruct.math.lsa.umich.edu/webwork2

Course Description: The Calculus I experience course is designed to give you a head start on the material you will see in your first calculus course at University of Michigan. The course will move at a fast pace, since we will be covering roughly half of the material that is typically covered in a semester long course. The emphasis in this course will be on concepts and problem-solving rather than computation. By gaining a strong understanding of the core concepts of calculus, you will be well prepared for success in your future math classes here at Michigan.

Study Table/Office Hours: Study table is a resource available through the Ross School of Business. A schedule is available, and the staffed times are 7:00 - 10:00 pm on select weeknights. During the Ross Summer Connection, the math study table will be staffed by myself or Daniel Maes (the 105 instructor) who will also be able to assist you.

Course Materials: This is a restricted list of various interesting and useful books that will be touched on during the course. You need to consult them occasionally.

- **Textbook:** *Calculus* by Hughes-Hallet, Gleason, et al. Copies will be provided for students to borrow during the summer course.
- **Calculator:** TI 84, TI 89, TI-Nspire Graphing Calculator or equivalent. For the summer course this is highly suggested but ultimately optional. Note that you will need your own for the fall semester.
- **Online Resources:** This course will have two websites, Canvas and WebWork. You will receive more information about these online resources during our first day of class.

Homework: This course will involve two types of homework - WebWork and team homework. There will be some form of assignment due for nearly every class session, so it is very important to keep up with the deadlines. Late homework will *not* be accepted.

- **WebWork:** These will be assigned approximately 5 times per week and must be completed online.
- **Team Homework:** These will be assigned approximately once a week and must be completed in groups of 4-5 students. I will provide more information about team homework during class.

Class Participation: This course will require students to actively participate in every class session. We will be working in groups and doing practice problems during our time together each day. It is expected that you show up with either an understanding of or questions on the material to be covered in that class.

- **Prepare for Class:** Do all assigned WebWork problems, arrive to class on time, and be ready to work!

- **Participate:** Ask questions, share solutions with the class, and contribute to small group assignments.

Exams/Quizzes: In this course you will have two graded quizzes and two graded exams. Problems will be very similar to those you will see in Math 115 in the Fall semester.

Grading: Grades will be assigned according to the following:

First Exam	25%	Quizzes	10%
Second Exam	35%	WebWork	10%
Team HW	15%	Participation	5%

Key Dates/Deadlines: Below are all the dates of quizzes and exams as well as the team homework deadlines. The WebWork deadlines will be posted on the WebWork website.

7/18	Introductions	First day of class.
7/24	Quiz 1	First 20 minutes of class.
7/25	Team HW 1 due	Collected at the beginning of class.
7/28	Exam 1	*NOTE: this is not a regular class day.
8/1	Quiz 2	First 20 minutes of class.
8/5	Exam 2	During class (90 Minutes).
8/6	Team HW 2 due	Collected at the beginning of class.

Note about deadlines: If you have a conflict with any of the quiz/exam dates please let me know as soon as possible. If you become ill on the day of a quiz or exam, you will need a doctor's note in order to take a make-up quiz/exam. Unfortunately, I cannot accept late homework, so I recommend that you leave yourself plenty of time to complete the assignments. If you are having trouble completing an assignment, please let me know, so that I can try to help you complete it before the deadline.

Getting Help: In this course (and in all your math courses here at Michigan) there are many resources available for help. I will hold 6 office hours per week as well as 8 hours of study table. If you need additional help you are also welcome to email me with questions and/or to set up an extra office hour appointment.

Testing Accommodations: If you need testing accommodations due to a disability or other reason, please let me know at least two days prior to the quiz/test so that we can make the necessary arrangements