

# ROSS SUMMER CONNECTION – CALCULUS III

Summer 2020

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<b>Instructor:</b>	Anthony Della Pella	<b>Time:</b>	MTWTh: 1:30 – 3:00
<b>Email:</b>	<a href="mailto:adellape@umich.edu">adellape@umich.edu</a>	<b>Office Hours:</b>	TThF: TBD
			MW: 5:00 – 6:00

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## Course Pages:

- [canvas.umich.edu](https://canvas.umich.edu)
- [instruct.math.lsa.umich.edu/webwork2](https://instruct.math.lsa.umich.edu/webwork2)

**Course Description:** The Calculus III course is designed to give you a head start on the material you will see in your first math 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. Moreover, instruction hours will be limited as there will be no official in class time for the Calculus III group. 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 multivariable calculus, you will be well prepared for success in your future math classes here at Michigan.

**Study Table/Office Hours:** As 215 students with no mandatory in class times, you will be expected to show up to 2-3 office hours each week where lessons are presented. These will either take place in study table or during the regular evening office hour depending on the schedule of the group.

**Course Materials:** This is a list of various useful books that will be the main source of material during the course. You need to consult them frequently, especially the Larson text which presents all of the Calculus III material.

- **Textbook:** *Calculus* by Hughes-Hallet, Gleason, et al. as well as chapters 11 - 14 of the Calculus book by Larson. 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. The WebWork for the 215 section is relatively intense and some problems require a serious effort. It is *very* important to keep up with the deadlines. Late homework will *not* be accepted.

- **WebWork:** These will be assigned approximately 3 times per week and must be completed online.
- **Team Homework:** These will be assigned approximately once every other week and must be completed in the group of 4-5 215 students.

**Class Participation:** It is expected that you show up with either an understanding of or questions on the material to be covered in that days office hour. You are also required to show up to the 115 class however you can mute your screen during this time to work on other things if you don't want to participate in the Math 115 discussion.

- **Prepare for Class:** Do all assigned WebWork problems, arrive to office hours and class on time, and be ready to work!
- **Participate:** Ask questions, share solutions with the group, and contribute on all 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 would see in Math 215 in the Fall semester.

**Grading:** Grades will be assigned according to the following:

First Exam	10%	Attendance	20%
Second Exam	20%	WebWork	20%
Team HW	20%	Participation	10%

**Getting Help:** In this course (and in all your math courses here at Michigan) there are many resources available for help. I will hold approximately 4 office hours per week as well as remaining available by 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