

MAC 2311-Calculus I - U02B - Summer B 2018 MoWeFri 12:00-3:15pm AHC5 Room 201

Textbook: Calculus, Early transcendentals, H. Anton & others, 11th edition
(10th edition is fine also, even older editions would work, but see me)

Instructor: Tedi Draghici **Website:** <http://faculty.fiu.edu/~draghici>
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Office Hours (in DM 432B): TuTh 10am-12noon; or by appointment.

Learning Assistant (LA): Nicolas Maruri **E-mail:** nmaru003@fiu.edu
Nicolas will help during group work in class and will offer review sessions before exams.

Pre-requisite: MAC 1147 with a grade of C or better, or, both MAC 1114 and MAC 1140 with grades of C or better, or, for students who have not previously taken a college math class, a score of 75 or better on the ALEKS Exam.

Course Objectives: Upon completion, students should demonstrate:
1. strong computational skills of limits, derivatives and basic anti-derivatives;
2. good understanding of the major topics (limits, continuity, differentiation, anti-derivatives) and ability to use these in applications;
3. reasonable reasoning skills - e.g. comprehend and reproduce basic proofs.

Method of Evaluation: Your grade in the course is based **solely** on your overall percentage - not on improvement, effort, etc. Incompletes will not be given, except in special cases such as last-minute medical emergencies. The following items have the corresponding weight in your grade.

1. Notes/Quizzes from videos - 4%;
2. Online homework - 8%;
3. Group worksheets - 12%;
4. Two midterm exams (24% each)
Exam 1 - Friday, June 30;
Exam 2 - Friday, July 14;
5. **FINAL EXAM (28%) - comprehensive exam - Friday, July 28.**

Grade-scale: The following percentage guarantees the associated grade:
90%-100% A, 88%-90% A-, 85%-88% B+, 80%-85% B, 78%-80% B-, 73%-78% C+, 65%-73% C, 55%-65% D, 0%-55% F.

NO MAKEUPS WILL BE GIVEN. If you have a **documented** excuse for missing classwork, your final can count towards that missed work.

Drop deadlines -- Last day to drop/withdraw with tuition refund: June 26;
-- Last day to drop with a DR grade (but no refund): July 17.

Help and Free Tutoring: <http://mathstat.fiu.edu/useful-information/math-resources/calculus-ii/>

New this semester -- STUDY HALL for Calculus 1, staffed with tutors,
GL 120 Mo 4-6pm, We 10am-12noon

Calculator: You may use one for your homework, but generally won't need one, and **you will not be allowed one (of any kind)** during exams.

Topics to be covered: Most sections from Chapters 2, 3, 4, plus sections 5.5 and 11.1. Chapter 1 contains a review of precalculus material. Please review it on your own as much as possible, **BEFORE** the start of the semester. Suggested problems for each section will be recorded on my website (see the corresponding link to your class). You have to check that webpage often for updates. The **MOST IMPORTANT** key for success is to solve **ALL** the suggested problems at the pace we cover the material. You are expected to spend a minimum of 12 hours a week outside of class on homework and reading the corresponding sections of the text. **DO NOT** fall behind. This is a dense course.

Note about your section: The emphasis is on **ACTIVE LEARNING** on your part, both in-class and outside class. You will be asked to follow at home videos of my lectures from a previous semester

<http://faculty.fiu.edu/~draghici/pastcourses/clsp15/assign-clsp15.htm>

and/or videos of Professor Richard Delaware (Univ. of Missouri)

<https://www.youtube.com/playlist?list=PLF5E22224459D23D9>

before we cover the corresponding section in class. You should take notes from these videos in (a special section of) your note-book. These notes may be checked for a grade or a quick quiz based on the video will be given. My Lecture time is reduced and will emphasize certain topics of the theory and harder problems. I will devote some time to your questions from the suggested assignment for each section. Almost every class meeting will have a group-work session. Each group will turn in one worksheet per group, which will be graded. Attendance is mandatory.

Keys for Success: Having a strong pre-calculus background is important (see the link on my website for notions you are expected to know), but even more important is your attitude and effort in the class. You are expected to spend a minimum of 12 hours/week working on the suggested homework problems, reading the corresponding sections of the text and watching video-lectures when required. Studying with a group is usually helpful and is encouraged, but be sure to do this in an **ACTIVE** way. Don't let your peers (or an LA, or tutor) think and work for you. Before an exam or quiz, you should be at the point where you can work, **ON YOUR OWN**, the problems from the corresponding sections. You will often need to spend time reviewing the concepts of each lecture **before** you attempt the suggested homework problems. When you will be asked to watch video-lectures at home, please **DO** so. I intend to spend more time on examples in class, but it is still **VERY** important that you see the presentation of the theory and understand the definitions and notions from it. When you have questions, you are encouraged to come to my office hours, consult the LA's, or try the free tutoring services. It is **VERY** important that you keep up with the course material and you don't fall behind.

The instructor reserves the right to make changes to this syllabus. These eventual changes would be announced in class and you are responsible to be aware of them.

Other Rules:

Any beepers/cell phones, etc must be turned off during class. If you cannot arrive and leave on time, see me and explain. If you find a grading error, write a note to me at the top of your paper and return it promptly.

I will try to identify any cheating that may occur in the course. To avoid unfounded suspicion, please show all your work, turn in any scratch paper you use in exams, and avoid sitting next to your study partners during exams.

ACADEMIC MISCONDUCT includes (but is not limited to) giving or receiving assistance on a test, quiz, or homework assignment for which such assistance is not permitted, falsifying a document to obtain an excusal from a test, and using unauthorized notes on a test or quiz. A more complete definition of Academic Misconduct is given on p. 120-121 of the Student Handbook. Penalties for Academic Misconduct range from an F in the course to expulsion from the university.

EXTRA TUITION CHARGES FOR REPEATED COURSES AND EXCESS HOURS: The Florida Legislature has mandated a tuition surcharge for the third time a student either takes or attempts a college credit course. For more information on this charge, including possible appeal of this surcharge, see <http://www.fiu.edu/orgs/register/surcharge.htm>. This charge should serve as additional motivation for you not to have to retake this course. In other words, **DO THE HOMEWORK!!!!**