

MAC 2311-Calculus I - RXB - Sp'17 Tu 9:30-12:00, Th 9:30-11:10 - EC 1116

Textbook: Calculus, Early transcendentals, H. Anton & others, 10th edition

Instructor: Tedi Draghici **Website:** <http://faculty.fiu.edu/~draghici>
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Office Hours (in DM 432B): Wednesdays, Fridays 11:00-12:30; or by appointment.

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 and continuity, differentiation, basic 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. The following items have the corresponding weight in your grade.

1. Class worksheets - 9%;
2. Quizzes - 9%;
3. Three in-class exams (18% each) -- topics TBA on the class website;
Exam 1 - February 9;
Exam 2 - March 9;
Exam 3 - April 13;
3. **FINAL EXAM (28%) - comprehensive exam - April 25, 9:45-11:45 - regular room.**

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 MAKEUP QUIZZES OR EXAMS WILL BE GIVEN. If you have a **documented** excuse for missing an exam, that percentage of your grade may be made up on the final.

Attendance: I don't take attendance, but you will often have quizzes or class group work (sometimes collected), so attendance is, in effect, mandatory.

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.

Drop deadlines -- Last day to drop/withdraw with tuition refund: Tue. Jan. 17; -- Last day to drop with a DR grade (but no refund): Monday, March 20.

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

Learning Assistant (LA): Olivera Dimoska **e-mail:** odimo001@fiu.edu
LA Help-time outside class: TBA

Topics to be covered: Most sections from Chapters 1-4, plus parts of 5.2, 5.3, 10.1. Small parts of Chapter 0 may be reviewed very fast. Please review Chapter 0 on your own as much as possible, but do not fall behind with the material that is being taught. 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. The class lecture time is reduced and ample time is devoted to class-worksheets (at least one hour/week). These you'll solve in groups with the help of the instructor and the LA's. You are expected to ACTIVELY participate in the group work and NOT be distracted from the given task. You are strongly encouraged to continue group work outside class. We will occasionally emphasize Engineering applications of Calculus in the worksheets.

Videos of my Calculus 1 lectures from a previous semester can be found at <http://faculty.fiu.edu/~draghici/pastcourses/clsp15/assign-clsp15.htm> You are strongly encouraged to watch them, ideally before we get to the corresponding section in our class.

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!!!!**

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