

**MAC 2311-Calculus I - U17 - Fall 2015 TuTh 11:00-13:10 - AHC5 212**

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

**Instructor:** Tedi Draghici                      **Website:** <http://faculty.fiu.edu/~draghici>  
**Office:** DM 432B **Phone:** (305) 348-2028      **E-mail:** [draghici@fiu.edu](mailto:draghici@fiu.edu)

**Office Hours:** Mondays, Fridays 10:30-11:50am; other times only 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, 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 computed out of a total of 600 pts:

1. Quizzes/homework/class work (150 pts)  
    Quizzes -- top 5 scores out of 6 (50 pts); Tentative dates for quizzes:  
Aug. 25, Sep. 8, Oct. 1, Oct. 13, Nov. 3, Nov. 17;  
    Class work -- approximately 10-12 worksheets will be collected (50 pts);  
    Homework -- top 5 scores out of 6 (50 pts); TBA on class website;
2. Three in-class exams (100 points each) -- topics TBA on the class website:  
    Exam 1 - Sep. 22;  
    Exam 2 - Oct. 22;  
    Exam 3 - Dec. 1;
3. **FINAL EXAM (150 points) - comprehensive exam -- Thursday, Dec. 10, 9:45-11:45.**

**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, 50%-55% D-, 0%-50% 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.

**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: Mon. Aug. 31; -- Last day to drop with a DR grade (but no refund): Monday, Nov. 2.**

**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 the website. You have to check the web page often for updates.

**Calendar of topics, suggested assignments, homework to hand in, comments, etc**  
<http://faculty.fiu.edu/~draghici/C1F15/daybyday-C1F15.htm>

**Free Tutoring (including online):**

[http://w3.fiu.edu/math/math\\_help/calculus\\_I.htm](http://w3.fiu.edu/math/math_help/calculus_I.htm)

**Mathematics tutoring in Green Library (GL 129)** MTWR 9:00-20:00, F 9:00-17:00,  
Sat 9:00-15:00

**Learning Assistants (LAs): Daniel Khawand, Nusaiba Chowdhury.**

**LAs Help-time outside class:** TBA

The Learning Assistants are undergraduate students who were very successful in Calculus a few semesters before you. Their role is to help you in your group work in class and outside class. They will give you hints and they will answer questions, however they will not entirely solve the problems for you. Math is learned best if you work and find on your own way to the solution. Also, do not expect the LA to know the answer to all of your questions. I will encourage them to say ``I don't know'', when is the case. For more difficult or theoretical exercises ask me for help.

**Note about your section:** We will employ a version of the SCALE-UP teaching method initiated at Clemson University. The emphasis is on ACTIVE LEARNING on your part, both in-class and outside class. The class lecture time is reduced (but not eliminated) and ample time will be devoted to class-worksheets. These you'll solve in groups with the help of the instructor and the LA's. You are strongly encouraged to continue group work outside class. Videos of my Calculus 1 lectures from a previous semester can be found on this webpage <http://faculty.fiu.edu/~draghici/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.

**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. Penalties for Academic Misconduct range from an F in the course to expulsion from the university. You are responsible for being familiar with the university's Code of Academic Integrity:

<http://www2.fiu.edu/~oabp/misconductweb/lacmisconductproc.htm>

**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!!!!**

**EARLY ALERT:** In an effort to help you succeed in your academic courses, FIU utilizes an **Early Alert** system. Instructors are now able to notify students' academic advisors if there are concerns about class performance. If an **alert** is submitted, your academic advisor will send you a message via your Student Dashboard (accessed via your MYFIU page) to discuss ways to improve your performance. Please respond to any communication you receive from your academic advisor about an **early alert**. Our goal with this program is to help you to be successful by identifying any issues as **early** on as possible and working to address them.

**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.**

