

MAC 2281-U06 Calc.I-Eng - Sp'19, Tu9:30-11:10am GC287B, Th9:30-12:10pm CBC140

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Office Hours (in DM 432B): Wednesdays, Fridays 11:00-12:30; other times by appointment only.

Textbook: Thomas' Calculus, Early transcendentals, by Hass, Heil, Weir, 14th edition, with the MyLabsPlus access code (for online homework).

All new textbooks sold in the FIU bookstore come with the MyLabsPlus access code. You could also buy just the MyLabsPlus access code (which gives electronic access to the textbook). ISBN for textbook + access code : 9780135430903; ISBN for access code alone: 9780135420683 .

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.

Special feature: This class has an extra hour per week where peer led groups will work on worksheets. These worksheets will be graded for credit.

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. Online homework (MyLabsPlus) - 10%;
2. Class worksheets, quizzes - 23%;
3. Three 100 minutes in-class exams (15% each) - topics TBA on the class website;
Tentative schedule: Exam 1 - February 5;
Exam 2 - March 5;
Exam 3 - April 16;
4. **FINAL EXAM (22%) - comprehensive exam - Thursday, 4/25, 9:45-11:45am, GC 287B.**

Grade-scale: The following percentage guarantees the associated grade:
90%-100% A, 86%-90% A-, 83%-86% B+, 80%-83% B, 77%-80% B-, 72%-77% C+, 65%-72% C, 50%-65% 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 usually you will not need one. **The usage of an electronic device of any kind during exams is strictly forbidden.**

Drop deadlines -- Last day to Add/Drop with tuition refund: Mon. Jan.14;
-- Last day to drop with a DR grade (but no refund): Monday, March 18.

Topics to be covered: Most sections from Chapters 2, 3, 4, and sections 5.5, 11.1, 11.2. Parts of Chapter 1 (precalculus) may be quickly reviewed, when we need them. 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. There will be a certain overlap between the suggested exercises and the online homework. You are expected to do BOTH.

Help and Free Tutoring: <https://mathstat.fiu.edu/academics/resources/math-help-calculus-i-ii/index.html>

Learning Assistant (LA): TBA
LA Help time outside class - TBA

Keys for Success: MOST IMPORTANT: DO ALL THE HOMEWORK, not just the online assignments, but also ALL of the suggested exercises at the pace we cover the material. **About 80% of the exam questions will be very similar to your homework exercises (online and suggested).** Each exam (midterm or final) will also contain a more theoretical question (a proof), from a set of topics that will be announced in advance. You should be prepared with these theoretical topics, as they can significantly influence your grade. Generally, in mathematics courses the emphasis should be on UNDERSTANDING the material, not just mechanical memorization. When you read the material, try to **understand and retain** the main definitions and the main results (theorems) from the sections we cover.

Having a strong PreCalculus background is important, but even more important is your attitude and effort in this class. You are expected to spend a minimum of 12 hours/week reading the corresponding sections of the text and doing your homework exercises (online AND suggested). Studying with a group can be very 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 have questions, you are encouraged to come to my office hours, consult the LA, or try the free tutoring services. It is VERY important that you keep up with the course material and you don't fall behind.

Online homework: Your online homework assignments will be available at <https://fiu-mlpui.openclass.com/> . Your username is your panther ID. Use "Forgot your password?" link to create your password. You will be able to access the site, but to gain access to assignments you must purchase an access code for MyLabsPlus.

Access code for MyLabsPlus: You can purchase an access code at FIU bookstore together with the textbook or as standalone item. Or you can purchase code online directly from Pearson while attempting to use the MyLabsPlus site (valid credit card required) - this is the cheapest option. Please be advised that you MUST purchase a code with a specific ISBN or it will not work for the course. Note: Pearson can only support access codes purchased from the bookstore and directly through the publisher. If you are not able to purchase an access code immediately, you can use a

temporary access code. A temporary access code can be obtained directly from the MyLabsPlus site. A temporary access code is valid for ONLY 14 calendar days and it allows you to get started with your assignments on the first day of classes. After the code expires you will be prompted to enter the permanent code or purchase the code using a credit card. You will not be allowed to continue your course until a permanent code is entered. You cannot buy/enter a permanent code until the temporary code expires.

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. A more complete definition of Academic Misconduct is given at <http://integrity.fiu.edu/misconducts.html>

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

FIU STUDENTS AND FACULTY "STAYING SAFE AND HEALTHY"

In collaboration with the Health, Safety, and Welfare Committee of the FIU Faculty Senate and the Healthy Panthers Council, the Provost encourages each faculty and student to take a proactive role in their safety, personal health, and well-being.

Through viewing the "Staying Safe and Healthy" video series, you will learn:

- How to respond to an active shooter situation
- Care of an unconscious person
- Care of the bleeding person
- Panther's Care Initiative
- How to enhance your personal health and well being

These 3-5 minute videos and related resources can be found for:

- On Campus Students in the Student Starter Kit in Canvas
- 2.0 Fully Online Students in Panther Den in Canvas
- Faculty in the Faculty Starter Kit in Canvas

This video series and related resources can make a difference in promoting the safety and protecting the health of all members of the FIU community. These resources are available any time you have a few minutes to watch them and you can refresh your memory about their content at any point in time. STAYING SAFE AND HEALTHY requires the commitment of each of us as Panthers.