MAC 2312-Calc.II – Fall 2019

Mo 10:00-11:50 GC 279B   WeFr 10:00-10:50 am GL 100B

Instructor: Enrique Villamor
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Office Hours (in DM 414B): MoWeFr 3:30-5:00 pm; other times by appointment.

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 .

How to login to Mylabsplus: Go to https://fiu-mlpui.openclass.com/ and login using your panther ID as the username. Use Forgot your password? link to create your password. If you already used Mylabsplus in your Calculus course (at FIU), you will have an automatic access to Mylabsplus . If it is the first time you will be using Mylabsplus, you must purchase an access code.

You can purchase an access code for MyLabsPlus at the FIU bookstore together with the textbook or as standalone item. Or you can purchase the 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. Any issues that arise from materials purchased from a third-party vendor (Amazon, Chegg, eBay, etc) must be handled by that particular company. Access codes purchased through third-party vendors will not be replaced by Pearson. This policy includes stand alone access codes and access codes included within a packaged bundle. 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.

Pre-requisite: Grade C or better in Calculus I (or equivalent).

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. Extra Credit-discretionary;
3. Three 100 minutes in-class exams (22% each) – topics TBA on the class website;
   Tentative schedule: Exam 1 – Friday, September 27;
                        Exam 2 – Friday, November 1;
                        Exam 3 – Friday, December 6;
4. FINAL EXAM (24%) - comprehensive exam – week of Dec. 9-14 – exact date TBA.

If beneficial to your grade, the lowest midterm will be replaced by the average of the final exam score and the score on that midterm.

Grading: My grading scale is as follows:

360+ points A	345-359 pts. A-
329-344 pts. B+	306-328 pts. B
291-305 pts. B-	276-290 pts. C+
240-275 pts. C	226-239 pts. D+
201-225pts. D	171-200 pts. D-
0-170 pts. F	

I reserve the right to add points to the totals of students who display outstanding class participation (during both lectures and office hours). I will not drop your lowest grade or curve the tests.

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: Tuesday, Sep. 3; -- Last day to drop with a DR grade (but no refund): Monday, Nov. 4.

Topics to be covered: The definite integral and Fundamental Theorem of Calculus; techniques of integration; applications of integral; polar coordinates; sequences and series. Suggested problems for each section covered will be recorded on my website (see the corresponding link to your class). You have to check the web page often for updates.

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

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. Any issues that arise from materials purchased from a third-party vendor (Amazon, Chegg, eBay, etc) must be handled by that particular company. Access codes purchased through third-party vendors will not be replaced by Pearson. This policy includes standalone access codes and access codes included within a packaged bundle.

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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 Calculus 1 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.

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.

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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.

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Preliminary list of suggested exercises:
(This list may slightly change as we cover the material. The updated list will be recorded on the class webpage. Some additional sections may also be included.)

Section 5.1: 1, 3, 7, 9, 13;
Section 5.2: 5, 7, 13-23odd, 31, 32, 33, 35, 37, 43, 45;
Section 5.3: 1, 5, 9-19odd, 23, 41, 43, 71, 75*, 82*;

Section 5.4: 1-23odd, 27, 31, 39, 45, 47, 57, 61, 62;
Section 5.6: 5-13odd, 25, 29, 31, 49, 53, 57, 65, 68;
Section 7.1: 1-5odd, 9-19odd, 25, 29, 49, 51;

Section 6.1: 17-23odd, 32, 33, 41, 43, 47-57odd, 2, 5, 15, 16;
Section 6.2: 1-9odd, 15, 17, 23, 25, 29, 32, 36, 39;
Section 6.3: 1, 5, 14, 17, 19;
Section 6.4: 1, 3, 13, 19;
Section 6.5: 1, 7, 9, 13, 19, 21, 23;

Section 8.2: 1-15odd, 23, 32-35all, 45, 51, 61, 63, 69*, 70*;
Section 8.3: 3, 4, 7, 13, 17, 35, 37, 41, 64, 71;
Section 8.4: 1-9odd, 16, 17, 25, 58*, 61;
Section 8.5: 1, 5, 9, 15, 21, 25, 29, 33, 77*;
Section 8.7: 3, 9, 23, 28*;
Section 8.8: 1, 3, 5, 11, 13, 42, 69, 71, 73;

Section 10.1: 3, 7, 11, 15-23odd, 31-39odd, 43-49odd, 57, 67, 103, 107*, 121, 123;
Section 10.2: 1-11odd, 17-21odd, 22, 23, 25, 31-41odd, 45, 53-71odd, 104*;
Section 10.3: 1, 2, 6, 13-19odd, 23, 28, 37, 39, 61*;
Section 10.4: 1-23odd, 31, 34;
Section 10.5: 1, 3, 20, 21, 27, 37, 43;
Section 10.6: 1, 4-7all, 15-23odd, 47, 59, 61, 69, 70;
Section 10.7: 1-11odd, 14, 17, 30, 50, 53;
Section 10.8: 1-5odd, 11, 13, 15, 19, 21;
Section 10.9: 1, 10, 13, 19, 39, 41, 45;
Section 10.10: 1, 15, 19;

Section 11.2: 1-7odd, 23, 26;
Section 11.3: 1-7odd, 11-17odd, 27, 33, 35, 47, 55, 57, 63;
Section 11.4: 1-7odd, 25;
Section 11.5: 1, 5, 6, 9, 11.

There is a certain overlap between the online homework and the above list of suggested exercises, but you are expected to do BOTH. At least 80% of your exams will have problems very similar to the ones in the suggested and the online exercises.

Starred exercises are slightly more difficult, or more theoretical. I sometimes use them as an option for the "proof" question on your exams.