

MAC 2313 (F2F Sections): CALCULUS 3, SUMMER 2022 SYLLABUS/CALENDAR

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The course homepage is located in [e-Learning Canvas](#). You can also use the Canvas Mail for communications with instructors. The information for office hours is posted on our Canvas homepage.

IMPORTANT: All students are required to take the exams and quizzes in person, and there is no option for the online testing.

MAC 2313 Calendar, Summer 2022

Sunday	Monday	Tuesday	Wednesday	Thursday	Friday
	May 9 Lecture 0	10 Lecture 1 Drop/Add deadline	11	12 Lecture 2	13 Lecture 3
15	16 Lecture 4	17 Lecture 5	18 Xronos HW 0-4	19 Lecture 6 Quiz 1 (L0-4)	20 Lecture 7
22	23 Lecture 8	24 Lecture 9	25 Xronos HW 5-8	26 Q&A Quiz 2 (L5-8)	27 Lecture 10
29	30 NO CLASS Practice Exam 1	31 Review	June 1 EXAM 1	2 Lecture 11	3 Lecture 12
5 Xronos HW 9-12	6 Q&A Quiz 3 (L9-12)	7 Lecture 13	8	9 Lecture 14	10 Lecture 15
12	13 Lecture 16	14 Lecture 17	15 Xronos HW 13-16 Practice Exam 2	16 Review Quiz 4 (L13-16)	17 Review EXAM 2
19	June 20-24 SUMMER BREAK				
26	27 Lecture 18	28 Lecture 20	29	30 Lecture 19	July 1 Lecture 21-1
3	4 NO CLASS Xronos HW 17-20	5 Q&A Quiz 5 (L17-20)	6	7 Lecture 21-2	8 Lecture 22
10	11 Lecture 23	12 Lecture 24	13 Xronos HW 21-22 Practice Exam 3	14 Review Quiz 6 (L21-22)	15 Review EXAM 3
17	18 Lecture 25	19 Lecture 28	20	21 Lecture 26 Xronos HW 23-25, 28	22 Q&A Quiz 7 (L23-25,28)
24	25 Lecture 27	26 Lecture 29	27	28 Lecture 29 & 30	29 Lecture 30 Drop deadline
31	Aug 1 Review Xronos HW 26,27,29,30	2 Review Quiz 8 (L26,27,29,30) Practice Final Exam	3	4 Review FINAL EXAM	5

- **EXAM 1 (L0--8), Wednesday, 6/1, at 7PM**
- **EXAM 2 (L9--16), Friday, 6/17, at 7PM**
- **EXAM 3 (L17--22), Friday, 7/15, at 7PM**
- **FINAL EXAM (L23--30), Thursday, 8/4, at 7M**

TEST LOCATIONS WILL BE ANNOUNCED IN CLASS AND POSTED IN CANVAS.

1. INTRODUCTION

1a COURSE CONTENT: MAC 2313 is the third semester in the calculus sequence and it gives a thorough introduction to multi-variable calculus. The course is divided into four modules.

- Module 1 (Lectures 0–8) Geometry of Space & Vector Functions
- Module 2 (Lectures 9–16) Differentiation of Functions of Several Variables
- Module 3 (Lecture 17–22) Multiple Integration
- Module 4 (Lectures 23–30) Vector Calculus including line integrals, surface integrals, Green's Theorem, Stokes' Theorem, and the Divergence Theorem

1b PREREQUISITES: MAC 2312 with a minimum grade of C.

To be successful in this course, you should have mastery of precalculus algebra and trigonometry. Students should be able to do arithmetic without a calculator. It is assumed that students are proficient in standard Calculus 1 and 2 topics, including limits, continuity, differentiation, and integration techniques.

1c REQUIRED MATERIALS :

Textbook: There are no required textbooks for this course. For anyone who wishes to study from a textbook, we suggest this free online textbook [Openstx Calculus Volume 3](#). Additionally, you may find any edition of the Calculus textbooks by Stewart, or Rogawski, helpful.

Computer access and requirements: A reliable internet and a computer are required. All Xronos assignments should be taken on a computer, not on a cell phone or a tablet, since there may be compatibility issues with Canvas. The recommend browser for this course is Chrome and DO NOT use Safari and Internet Explorer.

NO CALCULATORS are allowed on quizzes or on exams. A graphing calculator and Wolframalpha are useful as a study and learning tool when used appropriately, but are not essential. Graphing in 3-dimensional space can be challenging sometime. We recommend online graphing calculators [GeoGebra](#) or [CalcPlot3D](#) to help you as you learn 3D graphing. Remember that Calculus is a collection of ideas that are not mastered through calculator skills.

1d E-LEARNING CANVAS: All course information including lecture outlines, lecture videos, office hours, and exam information is posted on CANVAS.

All grades are posted in the CANVAS gradebook. You are responsible for verifying that those grades are accurate. **You have one week after a score has been posted to contact your instructor to resolve any grade concerns.** We will not consider any grading disputes nor make any grades adjustment at the end of the semester.

TURN ON NOTIFICATIONS in your Canvas account so that you can receive timely alerts in your UF email. See the [instructions](#) for Canvas Notification settings.

1e LECTURES meet in person during the designated period (check your class schedule on [ONE.UF](#)). The course is structured as a flipped class. Students are responsible for watching pre-recorded lectures online in Canvas **BEFORE** coming to class. We will spend most of our class time working on problems and exploring the concepts of calculus.

Lecture notes outlines: You can download and print them out from each lecture page in Canvas. Or you have an option to purchase the printed outlines from the Target Copy Center. It is important that you have a hard copy of the lecture notes in order to follow the lectures easier when watching the videos.

1f GETTING HELP: The information for instructor's office hours is posted in Canvas. In addition to office hours, the following resources are available.

- [The Teaching Center Math Lab](#) is a tutorial service staffed by trained math and science students to provide help with your calculus questions and homework. You can also request [free one-on-one tutoring](#).
- [Office of Academic Support](#) offers free one-on-one and small group tutoring sessions to any UF students.
- [U Matter, We Care](#) provides students in distress with support and coordination of the wide variety of appropriate resources. A nighttime and weekend crisis counselor is available by phone at 352-392-1575. Remember that asking for help is a sign of strength. In case of emergency, call 9-1-1.
- [UF Counseling Center](#) provides information and helps students who are experiencing test-related stress and anxiety or having any other concerns.

1g SUCCESS in MAC 2313 depends largely on your attitude and effort.

- **Watch the pre-recorded lecture videos BEFORE class**, so you are ready to participate in class.
- **Engage (participate and be proactive)** in class and discussion boards.
- **Complete assignments** on time. Get an early start on all assignments. If you get stuck, watch the lecture again and/or attend office hours for timely help. Do not let questions go unanswered.

Discussion Board: We encourage students to work together, and an important resource to facilitate communication in an online course is the Discussions Board in Canvas. You should check the Discussion Board regularly, posting questions and answers. The effort of asking questions, communicating ideas with fellow students, as well as writing solutions for these posts, are effective tools in helping you better understand calculus concepts. This is YOUR forum, take advantage of it by participating in it.

We want you to be successful! Remember that you are the only person who can walk the path to your success. Your instructor is there for you, but you need to stay on top of what's going on in class and take the initiative to reach out when you need help.

1h STUDENTS WITH LEARNING DISABILITIES: Students requesting class and exam accommodations must register with the [Disability Resource Center\(DRC\)](#) by providing appropriate documentation. An accommodation letter must be sent to your instructor once approved by the DRC, and students with disabilities should follow the DRC procedure as early as possible in the semester since the accommodations are not retroactive.

DRC ATR policy: Students who wish to take an exam at the DRC must submit your [accommodated test request \(ATR\)](#) at least four business days prior to the exam. This does not include the day of the exam, weekends, or holidays.

1i DIVERSITY, EQUITY, AND INCLUSION: The Mathematics Department is committed to diversity and inclusion of all students. We acknowledge, respect, and value the diverse nature, background and perspective of students and believe that it furthers academic achievements. It is our intent to present materials and activities that are respectful of diversity: race, color, creed, gender, gender identity, sexual orientation, age, religious status, national origin, ethnicity, disability, socioeconomic status, and any other distinguishing qualities.

1j ACADEMIC HONESTY: All students are required to abide by the Academic Honesty Guidelines which have been accepted by the University. The academic community of students and faculty at the University of Florida strives to develop, sustain and protect an environment of honesty, trust, and respect. Students are expected to pursue knowledge with integrity. Exhibiting honesty in academic pursuits and reporting violations of the Academic Honesty Guidelines will encourage others to act with integrity. Violations of the Academic Honesty Guidelines shall result in judicial action and a student being subject to the sanctions in paragraph XIV of the Student Code of Conduct. The conduct set forth hereinafter constitutes a violation of the Academic Honesty Guidelines (University of Florida Rule 6C1-4.017).

[The UF Honor Code](#) specifies a number of behaviors that are in violation of this code and the possible sanctions. We are bound by university policy to report any instance of suspected cheating to the proper authorities. Furthermore, you are obligated to report any condition that facilitates academic misconduct to appropriate personnel. If you have any questions or concerns, please consult with your instructor.

2. TESTING

2a EXAMS: During the semester there are three midterms and a final exam, all mandatory. All exams are assembly exams and the exam dates and time are specified in the course calendar. The midterm exams consist of multiple choice and free-response questions and the final exam consists solely of multiple choice questions.

Missing an exam due to negligence, however, will result in a minimum 10-point penalty.

2b IMPORTANT EXAM POLICIES: MAC 2313 requires that students take evening exams at 7PM on the listed dates. Students with conflicts, including regularly scheduled classes, must make advance arrangements to be present at the test.

The following applies to all exams:

- (1) Students are responsible for material covered in lectures and assignments. **Exam coverage and format may vary from semester to semester.**
- (2) Bring only the following to the exam:
 - Soft lead graphite pencils (number 2 lead or softer) for bubbling your scantron
 - Ink Pen (To sign your test)
 - Knowledge of your SECTION NUMBER and UF ID number
 - Picture ID (UF Gator One card or your state driver's license) with a **legible signature**

Cell phones and other electronic devices must be turned off and out of sight. If any such device rings, buzzes, or otherwise causes a distraction during the exam, your test will be considered to be compromised and your test score will be 0.

- (3) Students should be at the exam location at least 10 minutes early. No one will be admitted to the test **15 minutes** after the starting time of the test. No one will be permitted to leave the test until 30 minutes after the stated start time.
- (4) The **Test Form Code**, as well as **your UFID**, name, and section number must be encoded correctly or you will lose 3 points. You must also take the test in your assigned test location or you will lose 3 points on your test.
- (5) An answer key will be posted on CANVAS within one day after each exam. To check your answers, record them on the test or scratch paper that you keep after turning in your scantron and tearoff sheets.
- (6) Graded tearoff sheets will be returned in class. You then have **one week** to see your instructor if you have questions about your exam grade.

See Section 3f for the Makeup Policies.

3. GRADING

3a COURSE GRADE: Your course grade is based on 500 points accumulated as follows:

Warm-up Questions (1 point each, drop the two lowest grades)	6
Worksheets (4 points each, drop the two lowest grades)	24
Xronos assignments (2 points each, drop the two lowest grades)	60
Written assignments (4 points each)	16
Quizzes (9 points each, drop the two lowest grades)	54
Semester exams (80 points each)	240
Final exam	<u>100</u>
	500

The total sum of points is your numerical score, which will be converted to a letter grade according to the following scale.

A	450 - 500 pts	C	340 - 359.99 pts
A-	435 - 449.99 pts	C-*	320 - 339.99 pts
B+	420 - 434.99 pts	D+	300 - 319.99 pts
B	400 - 419.99 pts	D	280 - 299.99 pts
B-	380 - 399.99 pts	D-	260 - 279.99 pts
C+	360 - 379.99 pts	E	0 - 259.99 pts

The course grade is determined by the number of points you have, not by the percentage, and will be strictly enforced. There will be no additional curve in this course, and extra assignments for individual students to improve a grade are NOT possible.

For those taking the S-U option: S [340 - 500 points] U [0 - 359.99 points]

***NOTE:** A grade of C- DOES NOT give Gordon Rule or General Education credit!

3b CLASS PARTICIPATION POINTS: Attendance in lecture is required.

- Warm-up Questions: Students are required to watch the pre-recorded lecture videos before class and your instructor will give a warm-up question related to the lecture videos during the first five minutes of each class. Warm-up Questions will be collected eight times this semester and each question is worth 1 point.

- Worksheets: Students will be working in groups on the problems in the worksheets. Your instructor will collect eight worksheets and each worksheet is worth 4 points.

More information will be given on the first day of classes. The two lowest grades for warm-up questions and worksheets will be dropped at the end of the semester.

3c HOMEWORK ASSIGNMENTS: In this course we will utilize the online platform Xronos which is developed by the math department at UF. Online homework assignments will be assigned for each lecture and they are suggested to be completed by the dates shown on the course calendar. The two lowest online homework grades will be dropped at the end of the semester.

IMPORTANT: You MUST access Xronos via Canvas **Assignments** tab every single time for each Xronos homework assignment. If you do not – your homework grade will not be sent back to Canvas gradebook and you will not receive credit for the problems you solve. Your Xronos grades will be automatically updated in Canvas within 10 minutes after you leave the Xronos site, and Xronos grades will not be updated after the due date.

When you work on Xronos assignments, you need to write down your work neatly for each assignment in addition to submitting answers online. Four sets of the Xronos written assignment will be randomly collected by your instructor on the date when a quiz is given in class. The written assignments will be graded on a scale of 0 – 4 points; each is checked for completeness and three problems will be randomly chosen and graded for accuracy. The work must be your own and not taken from other sources.

Do not try to complete an assignment in one sitting; start early instead of waiting until the due date to avoid missing the deadline.

Remember that the **Due Date** is not the **Do Date**. DO NOT wait until the last hour to complete your assignment since internet sometimes is not reliable, and no extension will be offered due to tech issues.

3d QUIZZES: Your instructor will administer eight quizzes in class on the dates listed in the course calendar. Each will be graded on a scale of 0 to 9 points, and the top six scores will count, up to a total of 54 points. The quiz will be based on previous lectures and homework assignments.

3e EXTRA CREDIT:

- Module participation/project (8 points): Your instructor will assign 2 bonus points per module, and she/he will give your more information in class when it's assigned.
- Exam preparation (12 points): A practice exam will be available on Canvas a few days before each test. You can earn up to 3 bonus points (based on the accuracy of your submission) by completing it on Canvas before its due date. Practice exams can be used to evaluate your readiness for the coming exam.

3f MAKE-UP POLICIES: All make-up work must be approved by your instructor and you must provide documentation of your absence.

• **Exam Conflicts – The UF during Term Assembly Exam Policy**

“Exams may be held Monday – Friday from 7:00 – 9:45PM for the summer term. If other classes are scheduled during an exam time, instructors must provide make-up class work for students who miss class because of an assembly exam. If two exams are scheduled at the same time, assembly exams take priority over time-of-class exams. When two assembly exams conflict, the higher course number takes priority. Instructors giving make-up exams will make the necessary adjustments.”

If MAC 2313 is the lower course number, students must sign up with your instructor at least one week before the exam so that appropriate accommodations can be made.

- **Make-up Exams:** If you are participating in an official UF activity (such as music performances, athletic competition or debate) or religious observance, you may sign up for a make-up exam with your instructor at least one week prior to the exam. You must provide documentation for your absence due to an official UF activity.

If serious illness or other last minutes extenuating emergency circumstances cause you to miss an exam, you must email your instructor before the exam and you must provide a valid documentation for approval as soon as you return to campus.

A make-up exam will be scheduled for **11AM on Friday, August 5**. Exam location will be notified by your instructor on the last week of classes.

- **Missing an exam** - There is a 10% penalty for missing an exam due to negligence.

- **Quizzes:** There are no make-ups, unless,

- 1) you are participating in an official UF activity, for which you must bring documentation to your instructor at least one week prior to the quiz.

- 2) you miss because of a religious holiday. You must notify your instructor at least one week prior to the quiz due to a religious holiday.

- 3) you miss due to illness or other extenuating circumstances. You must contact your instructor before the quiz by email, and bring the appropriate documentation to the instructor as soon as you return to campus.

- **Warm-up Questions, Worksheets, Xronous HW and Written HW:** no make-ups unless you have a legitimate reason stated in the [UF attendance policies](#) and you must contact your instructor before the class.

Note that there are 2 drops on Warm-up Questions, Worksheets, Xronos online assignments, and Quizzes.

- **Written HW late submission:** You are present in class at the time of the collection but forget to bring your written homework assignment. In this case, you can email the assignment to your instructor on the same day with a 1-point penalty. You **MUST notify and make arrangement with your instructor before you leave the class.**

- **COVID-19:** In response to COVID-19, the following recommendations are in place to maintain your learning environment, to enhance the safety of our in-classroom interactions, and to further the health and safety of ourselves, our neighbors, and our loved ones.

- 1) If you are not vaccinated, get vaccinated. Vaccines are readily available and have been demonstrated to be safe and effective against the COVID-19 virus. Visit one.ufl.edu for screening/testing and vaccination opportunities.

- 2) If you are sick, stay home. Please call your primary care provider if you are ill and need immediate care or the UF Student Health Care Center at 352-392-1161 to be evaluated.

- 3) Course materials will be provided to you with an excused absence, and you will be given a reasonable amount of time to make up work.

- **Extra Credit Assignments:** no make-ups on any extra credit assignments

- 3g 10-MINUTE POLICY:** Only the students who are present in the first 10 minutes of the class and stay for the entire period will be allowed to participate in the class activities. Your class participation grade may not be counted if you do not follow the 10-minute policy.
- 3h ONE WEEK POLICY:** All grades are posted in the Canvas gradebook. You are responsible for verifying all grades are accurate. You have one week after a score is available to discuss any grade concerns with your instructor. There is no grades dispute after one week.
- 3i INCOMPLETE:** A student who has completed a major portion of the course with a passing grade but is unable to complete the final exam or other course requirements due to illness or emergency may be granted an incomplete, indicated by a grade of “I”. This allows the student to complete the course within the first six weeks of the following semester. The student must contact the course coordinator to sign the [incomplete grade contract](#), and must provide documentation of the extenuating circumstances preventing him or her from taking the final exam. The grade of “I” is never used to avoid an undesirable grade, and does not allow a student to redo work already graded or to retake the course. See the [official incomplete grade policy](#) for details.

4. ONLINE COURSE EVALUATION

Students are expected to provide professional and respectful feedback on the quality of instruction in this course by completing course evaluations online via GatorEvals. Guidance on how to give feedback in a professional and respectful manner is available at <https://gatorevals.aa.ufl.edu/students/>. Students will be notified when the evaluation period opens, and can complete evaluations through the email they receive from GatorEvals, in their Canvas course menu under GatorEvals, or via <https://ufl.bluera.com/ufl/>. Summaries of course evaluation results are available to students at <https://gatorevals.aa.ufl.edu/public-results/>.

This syllabus is subject to change. You will be notified if any changes are made.