

MAC 2313: CALCULUS 3, SPRING 2021

SYLLABUS/CALENDAR

Contact Information:

Instructors

- **Dr. Shu-Jen Huang (Course Coordinator)**

Lecture: MWF Period 3 (9:35-10:25am); F2F sections meet in LIT 109; Online synchronous sections meet on Zoom

Email: huang@ufl.edu

The course homepage is located in [e-Learning Canvas](#). You can find the Zoom links for lectures, discussion classes, and office hours on Canvas. You must sign in your **UF Zoom account** to participate in class and office hours.

When email the course coordinator, write **your lecture period, TA's name, and section number** in the subject line.

- **Dr. Ian Manly**

Lecture: MWF Period 7 (1:55-2:50pm); F2F sections meet in NRN 1020; Online synchronous sections meet on Zoom

Email: imanly@ufl.edu

- **Discussion Leader (TA)**

Name: _____

Email: _____

MAC 2313: Calendar, Spring 2021

Sunday	Monday	Tuesday	Wednesday	Thursday	Friday
	Jan 11 Lecture 1 All sections meet virtually on Zoom	12 LQ 1 due on Canvas / HW 1 suggested completion date on Xronos	13 Lecture 2 F2F sections start to meet in the classroom	14 First Discussion Class All sections meet on Zoom this semester LQ 2 / HW 2	15 Lecture 3 Drop/Add Deadline
17	18 MLK Day No Class	19 LQ 3 / HW 3	20 Lecture 4 Syllabus Quiz	21 LQ 4 / HW 4	22 Lecture 5
24 LQ 5 HW 5	25 Lecture 6	26 Quiz 1 (L1-5) LQ 6 / HW 6 Xronos HW 1-5 due	27 Lecture 7	28 LQ 7 / HW 7	29 Lecture 8 make-up exam signup deadline
31 LQ 8 HW 8	Feb 1 Lecture 9	2 LQ 9 / HW 9	3 Lecture 10	4 Quiz 2 (L6-9) LQ 10 / HW 10 Xronos HW 6-9 due	5 Lecture 11
7	8 Review Practice Exam 1	9 Written HW 1	10 Review EXAM 1 (L1-9)	11 LQ 11 / HW 11	12 Lecture 12
14 LQ 12 HW 12	15 Lecture 13	16 LQ 13 / HW 13	17 Lecture 14	18 Quiz 3 (L10-13) LQ 14 / HW 14 Xronos HW 10-13 due	19 Lecture 15
21 LQ 15 HW 15	22 Lecture 16	23 LQ 16 / HW 16	24 Lecture 17	25 Recharge Day No Class LQ 17 / HW 17	26 Lecture 18
28 LQ 18 HW 18	Mar 1 Lecture 19	2 Quiz 4 (L14-18) Xronos HW 14-18 due	3 Review Practice Exam 2	4 Written HW 2	5 Review EXAM 2 (L10-18)
7 LQ 19 HW 19	8 Lecture 20	9 LQ 20 / HW 20	10 Lecture 21	11 LQ 21 / HW 21	12 Lecture 22
14 LQ 22 HW 22	15 Lecture 23	16 Quiz 5 (L19-22) LQ 23 / HW 23 Xronos HW 19-22 due	17 Lecture 24	18 LQ 24 / HW 24	19 Lecture 25
21 LQ 25 HW 25	22 Lecture 26	23 LQ 26 / HW 26	24 Recharge Day No Class	25 Quiz 6 (L23-26) Xronos HW 23-26 due	26 Lecture 27 Practice Exam 3
28 Written HW 3	29 Review EXAM 3 (L19-26)	30 LQ 27 / HW 27	31 Lecture 28	Apr 1 LQ 28 / HW 28	2 Lecture 29
4 LQ 29 HW 29	5 Lecture 30	6 LQ 30 / HW 30	7 Lecture 31	8 Quiz 7 (L27-30) LQ 31 / HW 31 Xronos HW 27-30 due	9 Lecture 32 Withdraw Deadline
11	12 Lecture 32/33	13 LQ 32 / HW 32	14 Lecture 33/34	15 LQ 33 / HW 33	16 Lecture 34
18 LQ 34 HW 34	19 Review	20 Quiz 8 (L31-34) Xronos HW 31-34 due	21 Review Written HW 4	22 Reading Day No Class Practice Final Exam	23 Reading Day No Class

Final Exam (L27-34): Monday, April 26, 5:30-7:30PM

All Exams and Quizzes are proctored by Honorlock. Each unit exam is open at 8PM on the exam night. Each quiz is open for 24 hours on the quiz date.

1. INTRODUCTION

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

- Module 1 (Lectures 1–9) Geometry of Space & Vector Functions
- Module 2 (Lectures 10–18) Differentiation of Functions of Several Variables
- Module 3 (Lecture 19–26) Multiple Integration
- Module 4 (Lectures 27–34) 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 assignments should be taken on a computer, not cell phone or tablet, since there may be compatibility issues with Canvas. The recommend browser is Chrome and it is required for all Honorlock proctored exams and quizzes.

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 reviews 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 TA to resolve any grade concerns.** Any grade concerns must communicate through Canvas emails due to security/privacy issues. We will not consider any grading disputes nor make any grades adjustment at the end of the semester.

Check Canvas course homepage regularly for announcements. Due to the volume of email instructors receive, we cannot reply to each request for information

that is already posted online. When you email the coordinator, please be sure to write down your lecture period, section number, and TA's name in the subject line in all mail correspondence.

1e LECTURES meet during the designated period (check your class schedule on [ONE.UF](#)).

Attendance is strongly recommended. All lectures will be recorded and the recording links will be posted on Canvas. You are responsible for learning lecture material missed due to an absence. Students can print out the lecture outlines from Canvas through **Lectures/Discussions** tab. You may also purchase a hard copy from Target Copy Center.

F2F sections: All students in F2F classes are required to be tested for COVID-19 by January 10. Of course, the results may not be known by the first day of classes on the 11th (hence the first MAC2313 lecture will be held virtually on Zoom), and students are not allowed into physical classrooms until they have been cleared.

Zoom synchronous sections: You can find the lecture zoom link on the lecture page on Canvas.

Zoom privacy issues: Our class sessions may be audio visually recorded for students in the class to refer back and for enrolled students who are unable to attend live. Students who participate with their camera engaged or utilize a profile image are agreeing to have their video or image recorded. If you are unwilling to consent to have your profile or video image recorded, be sure to keep your camera off and do not use a profile image. Likewise, students who un-mute during class and participate verbally are agreeing to have their voices recorded.

If you are not willing to consent to have your voice recorded during class, you will need to keep your mute button activated and communicate exclusively using the "chat" feature, which allows students to type questions and comments live. The chat will not be recorded or shared.

As in all courses, unauthorized recording and unauthorized sharing of recorded materials is prohibited.

1f DISCUSSION SECTIONS, which meet once a week on Zoom synchronously on Thursday for **ALL** sections, give you a valuable opportunity for open discussion of the lecture material and assigned problems in a smaller online class setting. **Attendance in discussion is strongly recommended.**

Your main resource person is your TA. She/he is available during office hours or by appointment to answer your questions about the course material.

You should check Canvas regularly and consult with your TA if you have any questions about posted grades. **All grade concerns must be taken care of within one week of receiving the score.** If you have concerns about your discussion class which cannot be handled by your TA please contact the course coordinator Dr. Huang by email.

Zoom Breakout Room: Your instructor will utilize a breakout room for students who want to have a private conversation. When you arrive a Zoom online office hour, your instructor may be in a breakout room with a student if you are not able to locate him in the Zoom main room.

1g GETTING HELP: All instructors' online office hours will be posted on Canvas at the end of the first week. You may go to anyone's office hours that fit your schedule. We encourage you to use this valuable resource to help you stay on track and succeed. In addition to instructors' office hours, the following aids are available online.

- [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.
- [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.

For issues with technical difficulties for Canvas, please contact the [UF Help Desk](#) or call (352) 392-HELP (4357). Any requests for make-ups due to technical issues MUST be accompanied by the ticket number received from the Help Desk when the problem was reported to them. The ticket number will document the time and date of the problem. You MUST e-mail the course coordinator within 24 hours of the technical difficulty if you are eligible for a make-up. (**See Section 3g for the Make-up Policies.**)

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

- **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.
- **Keep up with the pace** of the course and do not fall behind.

We want you to be successful! Remember that you are the only person who can walk the path to your success. Your TA and I are 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.

1i STUDENTS WITH LEARNING DISABILITIES: Students requesting class and exam accommodations must register with the [Disability Resource Center\(DRC\)](#) by providing appropriate documentation. A DRC accommodation letter must be sent to Dr. Huang at least three business days before a scheduled exam/quiz in order to receive exam accommodations. Students with disabilities should follow the DRC procedure as early as possible in the semester since the accommodations are not retroactive.

1j 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.

1k ACADEMIC HONESTY: UF students are bound by

The Honor Pledge

We, the members of the University of Florida community, pledge to hold ourselves and our peers to the highest standards of honesty and integrity by abiding by the Honor Code. On all work submitted for credit by students at the University of Florida, the following pledge is either required or implied: “On my honor, I have neither given nor received unauthorized aid in doing this assignment.”

[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: There will be three 90-minute unit exams and one 2-hour final exam. The exams will be given in Canvas and administered through Honorlock.

- Each exam consists of multiple choice and fill-in-the-blank questions.
- Each unit exam opens at 8PM on the exam date shown in the course calendar.
- The final exam is scheduled for 5:30PM on Monday, April 26, by the office of the University Registrar.
- You can use up to 10 sheets of scratch paper for each unit exam and 15 sheets for the final exam.

Missing an exam due to negligence will result in a severe deduction on your exam grade.

2b IMPORTANT EXAM POLICIES: MAC 2313 requires that students take online exams through Honorlock on the dates and time shown in the course calendar. Students with conflicts, including scheduled classes, working hours or traveling, must make advance arrangements to be present at the test.

The following applies to all exams/quizzes:

- (1) Students are responsible for material covered in lectures and assignments.
- (2) Prior to test start, you will need the following:
 - working web camera and microphone
 - stable internet connection
 - Google Chrome browser and Honorlock Chrome extension

- (3) Bring only the following while taking an online exam with Honorlock: Government issued photo ID (or Student Gator One ID) with a legible signature and blank scratch paper.
- (4) The following items/actions are not permitted:
- No writing visible on desk or on walls. Make sure music/televisions are not playing in the background.
 - No websites other than Canvas and the Honorlock proctoring extension should be used or open while taking a proctored exam.
 - Close all other programs and/or windows on the testing computer prior to logging into the proctored test environment.
 - Communication or receiving assistance from others is not permitted during a proctored assessment.
 - Using a phone or any other electronic device, other than your test-taking device, is not permitted. Headphones or smart watches are not permitted.
 - Remain visible in the web camera during the entire duration of the exam.
 - Leaving the room during the testing period is not permitted.
 - Dual monitors are not permitted.

See Section 3g for the Exam Conflict and Makeup Policies.

3. GRADING

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

Lecture Questions (1 point each, drop the two lowest grades)	32
Xronos assignments (1.5 points each, drop the two lowest grades)	48
Written assignments (2 points each)	8
Quizzes (12 points each, drop the two lowest grades)	72
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 LECTURE QUESTIONS: There are 34 sets of lecture questions on Canvas given on the material of the lectures. They are untimed, open book and open notes. You have 2 attempts for each assignment. Students are expected to work individually on these assignments. The two lowest LQ grades 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 sync back to Canvas gradebook and you will not receive credit for the problems you solve.

When you work on Xronos assignments, you need to write down your work neatly for all problems in addition to submitting answers online. One set of the Xronos assignments for each exam will be collected by your TA and you will upload the written assignment (as a pdf file) to Canvas for grading. The written assignments will be graded on a scale of 0 – 2 points; each is checked for completeness and one problem will be 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.

3d QUIZZES: Eight quizzes will be given on Canvas and the two lowest quiz grades will be dropped at the end of the semester. Each quiz is proctored by **Honorlock**, and you will have 50 minutes to finish it on the quiz date. You must make yourself available about an hour for each quiz. The clock starts ticking once you open a quiz and it will be closed after 50 minutes. No aids will be allowed for quizzes but you can use up to 3 sheets of blank scratch paper.

DO NOT wait until the last minute to submit your quiz and we will NOT extend time for computer issues.

3e EXAMS: All exams are given online in Canvas and proctored by Honorlock. Your exam grade will be available in Canvas gradebook within three days after the exam. The exams are locked after submission. If you wish to review the problems that you miss on the test, you may request a private Zoom conference with your TA within one week of the exam.

3f EXTRA CREDIT: You may earn additional points in the following ways:

- Syllabus quiz (2 points): After reading the course syllabus carefully, you have a chance to earn up to 2 bonus points by completing the syllabus quiz on Canvas before the deadline. We expect students understand our course policies when submitting this quiz.
- Discussion class participation(4 points): Your TA will collect class participation points four times this semester. More details will be given in your first discussion class.
- 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.
- Other extra credit assignments will be announced on Canvas if any.

3g MAKE-UP POLICIES: All make-up work must be approved by the course coordinator and you must provide documentation of your absence. **The deadline to request an alternative exam time is Friday, Jan. 29.**

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

“Exams may be held Monday – Friday from 8:20 – 10:10PM (periods E2–E3) for the fall and spring terms. 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 submit a request for an alternative exam time on Canvas by the deadline so that appropriate accommodations can be made. Otherwise it may not be possible to reschedule.

You may also request an alternative exam time on Canvas before the deadline if

- 1) you are participating in a UF sponsored event during the regular exam time
- 2) you do not live in the US this semester
- 3) you observe a religious holiday

• **Make-up Exams:** If serious illness or other last minutes extenuating emergency circumstances cause you to miss an exam, you must email the course coordinator within 24 hours of the exam with a valid documentation for approval to take a make-up exam. You may be denied a make-up exam if you do not have completed at least 75% of all the course work thus far and do not have completed all prior exams. We do not consider traveling or lack of internet access as a valid excuse for a make-up exam.

• **Lecture Questions:** no make-ups. LQ assignment can be submitted late with a 25% penalty for each day beyond the due date.

• **Xronos and Written HW:** no make-ups.

• **Quizzes:** no make-ups.

Note that there are 2 drops for Quizzes, LQ and Xronos assignments.

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

3h 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.

3i 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.

3j 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.