

# MAC 2313: CALCULUS 3, FALL 2020

## SYLLABUS/CALENDAR

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### Contact Information:

#### Course Coordinator

**Dr. Shu-Jen Huang**

Lecture: MWF P2 (8:30-9:20am)

Email: [huang@ufl.edu](mailto: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.

#### Lecturer

**Ms. Carol Demas**

Lecture: MWF P3 (9:35-10:25am)

Email: [demasc@ufl.edu](mailto:demasc@ufl.edu)

**Ms. Kwailee Chui**

MWF P9 (4:05-4:55pm)

[chui@ufl.edu](mailto:chui@ufl.edu)

#### Discussion Leader (TA)

Name: \_\_\_\_\_

Email: \_\_\_\_\_

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.

## MAC 2313: Calendar, Fall 2020

Sunday	Monday	Tuesday	Wednesday	Thursday	Friday
	Aug 31 Lecture 1	Sept 1 First Discussion Class for Tuesday sections HW 1	2 Lecture 2	3 First Discussion Class for Thursday sections HW 2	4 Lecture 3 <b>Drop/Add Deadline</b>
6	7 <b>Labor Day No Class</b>	8 HW 3	9 Lecture 4 Syllabus Quiz	10 HW 4	11 Lecture 5
13 HW 5	14 Lecture 6	15 HW 6	16 Lecture 7 Quiz 1 (L1-5)	17 HW 7 Quiz 1 (L1-5) *	18 Lecture 8
20 HW 8	21 Lecture 9	22 HW 9 Practice Exam 1	23 Lecture 10 Quiz 2 (L6-9)	24 Exam 1 Assignments	25 <b>EXAM 1 (L1-9)</b>
27 HW 10	28 Lecture 11	29 HW 11	30 Lecture 12	Oct 1 HW 12	2 Lecture 13
4 HW 13	5 Lecture 14	6 HW 14	7 Lecture 15 Quiz 3 (L10-13)	8 HW 15	9 Lecture 16
11 HW 16	12 Lecture 17	13 HW 17	14 Lecture 18	15 HW 18	16 Lecture 19
18 HW 19	19 Lecture 20	20 HW 20 Practice Exam 2	21 Review Quiz 4 (L14-18)	22 Exam 2 Assignments	23 <b>EXAM 2 (L10-18)</b>
25	26 Lecture 21	27 HW 21	28 Lecture 22	29 HW 22	30 Lecture 23
Nov 1 HW 23	2 Lecture 24	3 HW 24	4 Lecture 25 Quiz 5 (L19-22)	5 HW 25	6 Lecture 26
8 HW 26	9 Lecture 27	10 HW 27 Practice Exam 3	11 Veterans Day Quiz 6 (L23-26)	12 Exam 3 Assignments	13 <b>EXAM 3 (L19-26)</b>
15	16 Lecture 28	17 HW 28	18 Lecture 29	19 HW 29	20 Lecture 30
22 HW 30	23 Lecture 31 <b>Withdraw Deadline</b>	24 No Class	25 Thanksgiving No Class	26 Thanksgiving No Class	27 Thanksgiving No Class
29	30 Lecture 32	Dec 1 HW 31	2 Lecture 32&33 Quiz 7 (L27-30)	3 HW 32	4 Lecture 33&34
6 HW 33	7 Lecture 34	8 HW 34	9 Review Quiz 8 (L31-34) Practice Final Exam	10 Reading Day No Class	11 Reading Day Final Exam Assignments

**Final Exam (L27-34): December 12 (Saturday)**

**All Exams and Quizzes are proctored by Honorlock. Each exam is open from 12AM-11:59PM (EDT/EST) on the dates shown in the calendar. Each quiz is open for 3 days (M-W).**

**\*Quiz 1 given in class for section 16676 is scheduled on Thursday, Sept 17, Period 11.**

**All assignments shown in blue are the suggested completion date of the assignment.**

**All Lecture Questions, Xronos online assignments and written HW for each exam are officially due at 11:59PM (EDT/EST) the day before each exam.**

## 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 for this online 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 reviews are 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. If you must 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](https://one.ufl.edu)) on Zoom synchronously. **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.

**Zoom privacy-related 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 (either Tuesday or Thursday), 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 FREE 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.

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 **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.”

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 exam opens for a 24-hour period on the exam date shown in the course calendar. We recommend starting your test no later than 10PM (no later than 9:30PM for the final exam) since all exams are closed at midnight.
- You can use up to 10 sheets of scratch paper for each 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 listed dates. There are no exceptions to this. Students with conflicts, including scheduled working hours or traveling, 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.
- (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 (up to 10 sheets).
- (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.
  - No other persons except the test-taker should be in the room during testing.
  - 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>
	<b>500</b>

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 lecture questions for each exam are due the night before that exam. 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 online assignments for each exam are due the night before that exam. The two lowest online homework grades will be dropped at the end of the semester.

**IMPORTANT:** You MUST access Xronos via Canvas every single time you do your homework. If you do not – your homework grade will not sync back to Canvas grade-book 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 night before each exam. 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 45 minutes to finish it by its due date. You must make yourself available about an hour for each quiz. The clock start ticking once you open a quiz and it will be closed after 45 minutes. No aids will be allowed for quizzes but you can use up to 2 sheets of blank scratch paper.

**For Section 16676 (80-99% online):** The section is designated to have the first quiz live to meet ICE requirements. Your first quiz will be given in class during period 11 on Thursday, Sept. 17. If you are not planning to be on campus, you must switch to a different section during drop/add.

**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 BOARD PARTICIPATION (4 points):** We encourage you to utilize the Discussion Boards on Canvas regularly to ask and answer questions about course material and homework. You can earn up to 1 bonus point per module by responding to other students' unanswered math questions. Answers must be appropriate and related to course material to earn credit. Your TA monitor and answer questions on the boards regularly.
- **EXAM PREPARATION (12 points):** A practice exam will be posted on Canvas a few days before each test. You can earn up to 3 bonus points by completing it on Canvas before its due date. Practice exams can used to assess your readiness for the coming exam.
- Other extra credit assignments will be announced on Canvas if any.



### 3g MAKE-UP POLICIES:

- **LECTURE QUESTIONS, XRONOS AND WRITTEN HW:** no make-ups. These assignments are due the night before each exam. Students should have completed them before taking the test. In addition, there are 2 drops on Lecture Questions and Xronos assignments.
- **QUIZZES:** no make-ups since we offer 2 drops on Canvas quizzes
- **EXAMS:** Students must provide valid documentation to the course coordinator for requesting a make-up exam due to a scheduling conflict at least one week before the test to avoid penalty. We do not consider traveling or lack of internet access as a valid excuse for a make-up exam. If illness or other extenuating circumstances force you to miss an exam, provide valid documentation and contact Dr. Huang as soon as possible (no later than 24 hours after the exam) for approval to schedule a make-up exam.
- **BONUS ASSIGNMENTS:** no make-ups on any extra credit assignments

**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.ua.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.ua.ufl.edu/public-results/>.

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