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1 Course Overview

INSTRUCTOR:

Cristina Korb

Office: [Little 417](#)

Email: cekorb@ufl.edu

Class time and Place:

Sections 1852 & 3104 - MWF 3rd period(9:35 am - 10:25 am) in [Little 201](#)

Office hours in [Little 417](#) :

Monday, 2nd period (8:30 - 9:20 am)

Wednesday, 4th period (10:40-11:30 am)

Friday, 4th period (10:40-11:30 am)

TEACHING ASSISTANT:

Jamie Scott

Office: [Little 431](#)

Email: hiwhoareyou1@ufl.edu

Discussion time and Place:

Sections 1852- Tuesday 2nd period(8:30 am - 9:20 am) in [Little 219](#)

Sections 3104- Tuesday 3rd period(9:35 am - 10:25 am) in [Little 207](#)

Office hours: To be announced in the discussion session

1.1 Content & Prerequisites

MAC 2312 is the 2nd semester in the three-semester sequence MAC 2311, MAC 2312, MAC 2313 covering the basic calculus. The course begins where MAC2311 left off at the integration techniques. This is followed by a study of infinite sequences and series, calculus of parametrized curves, polar coordinates and closed with applications of definite integrals.

This course assumes appropriate score on the ALEKS placement assessment, or completion of MAC 2311 Calculus 1 with a C (2.0) or better.

1.2 Course Materials

- CANVAS (REQUIRED): E-learning canvas, a UF course management system, is located at elearning.ufl.edu. Use your Gatorlink username and password to login. All course information including the video lectures you must watch before coming to class are located in Canvas. **Please note:** Important course information is clearly communicated in this course guide, the MAC 2312 homepage and links in Canvas, and announcements in lectures and discussions. Due to the volume of email received by the instructor and TAs, we cannot reply to each request for this well publicized information. If you cannot find your answer in the resources above, there is also a **Discussion Forum** available in Canvas. Please use this to post questions and to supply answers to your fellow students.
- LECTURE OUTLINES (HIGHLY RECOMMENDED): You may purchase a printed packet with all lectures outline binded in a notebook from Target Copy at 1412 W. University Ave. (Not the Target Store). Cover of the packet is a red rose. You can also print the lectures outline one by one as you go from Canvas.
- MATERIALS (OPTIONAL): There are no required textbooks for this course. You can use the online [Guided Learning Calculus 2](#) for extra examples and practice.

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This class will take a different form than you may be used to. I will not lecture for the whole period, if at all. You will be responsible for watching pre-recorded lectures online at the course site in Canvas and take *lecture quizzes* **BEFORE** coming to class. We will spend most of our class time working on problems and exploring the concepts of calculus in small groups doing *in-class activities*. There is a lot of research showing that students learn and retain information better in this environment. Come to class ready to participate. Once again, you need to watch the videos and do the lecture quizzes online before you come to class. If you do so, then you will ask better questions and you will perform better in the course. You will also complete *homework* in Canvas, upload complete written solutions to homework problems and take *discussion quizzes* during your discussion session on Tuesdays. Lastly you will be taking three semester *exams* along with a *final exam*.

- VIDEOS & LECTURE QUIZZES:

MAC2312 is organized into 37 lectures, each lecture has an introductory page including the concepts to be covered, things you need to do for this lecture. From there, you may access a copy of the note outlines, links to the lecture videos and links to the Lecture Quizzes. Viewing the lecture videos is an important aspect of the learning process. There are several simple Lecture Quizzes to be completed in each lecture. You need to work out these problems as you watch the videos. We encourage you to use the notes as well as the videos or the Discussions Board to help answer these questions which are not timed, you have 2 submissions to complete each quiz. The two lowest Lecture Quiz scores will be dropped to offset possible credit lost due to technical issues or a missed assignment. In total, the lecture quizzes will count for 4% of the final grade.

- IN CLASS GROUP ACTIVITIES:

Almost every class you will complete an activity from the material you just learned by watching the video lectures. These activities will be done in groups of three and you will be allowed to use the notes you took while watching the videos. These graded activities must be completed in class, so there are **no make-ups**. Please do not ask. Plan to attend all class meetings, so that you may earn credit for these assignments. Due to the possibility of absences beyond your control, the lowest two activities will be dropped before calculating your final course grade. The In class Group Activities make up 10% of your final grade.

- DISCUSSION QUIZZES:

Quizzes will be given during your discussion session, based on the material covered that week in class as well as the homework that is due during that week. The quizzes will be administered by your TA and any questions about the grades should be direct to him. No notes or calculators are allowed during the quizzes. Discussion Quizzes make up a total of 10% of your grade.

- CANVAS HOMEWORK:

Homework is absolutely critical to your success in this course. The only way to learn how to do mathematics is to practice doing mathematics. Homework assignments are posted in Canvas under the To-Do list for each Lecture. Each homework assignment will be graded both for completeness and correctness in Canvas. Please make sure you know how to solve the problem rather than how to just get the answer. You will encounter similar homework problems on the exams and quizzes where you are asked to show all your work. You are responsible to watch for the due dates. Since you have a window of a week to complete your online work, there will be NO LATE submission! At the end of the semester 2 homework assignments will be dropped. If you happen to miss a few assignments due to sickness or other unforeseen issues, you will use your drops for those missed assignments. The Canvas homework will count for 4% of your final grade in the course.

- WRITTEN HOMEWORK:

Three times during the semester you will upload written solutions to the homework assignments you completed in Canvas. For example, on February 9th you will upload written solutions for all the Canvas homework assignments(not including Lecture Quizzes) that were completed for Exam 1. Please refer to the calendar for all due dates. Since you have a long window of time to complete your written homework, there will be NO LATE submission and no written homework assignments grades will be dropped. The Canvas written homework will count for 2% of your final grade in the course.

- EXAMS:

There will be three semester exams given during the semester. These exams will take place in the evenings at 8:20 PM and the exact location will be announced in class and posted in Canvas closer to the exam date. All Calc 2 students take the same exams at the same time. The three semester exam scores will count for 45% of your course grade with each exam accounting for 15%.

The dates for the exams are:

Exam 1 Thursday, February 6th at 8:20 PM

Exam 2 Thursday, March 12th at 8:20 PM

Exam 3 Thursday, April 16th at 8:20 PM

- FINAL EXAM:

The final exam will be a comprehensive (cumulative) final covering all material studied during the semester. It will count for 25% of your grade in the course. This final exam will be given on **Monday, April 27th from 12:30 pm to 2:30 pm.**

- ATTENDANCE, PARTICIPATION, MAKE-UP & EXTENSION POLICIES:

Your attendance in class and online shows your commitment to your education. Arriving to class on time and actively participating in a positive manner until the minute that class ends are indicators of a serious and dedicated student on his/her way to becoming a successful professional. There are no make-ups on in-class work. You are responsible to stay up-to-date with notes and announcements from the days you missed. Coming to class unprepared because you missed the previous day is unacceptable and not an excuse. Attendance will be recorded daily and will be taken under consideration when entering your final grade.

Since it is expected that some students may miss discussion quizzes or in class activities during the semester, two lowest scores of each will be dropped at the end of the semester. **As a result, no make-up discussion quizzes or in-class activities will be given, under any circumstances, so please do not ask.** Late online homework and quizzes will also not be accepted.

Exam Conflicts and Make-up: According to the undergrad catalog: "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 2312 is the lower course number, students must inform their instructor in person at least ONE WEEK in advance of the exam date so that appropriate accommodations can be made. Otherwise it may not be possible to reschedule.

If you are participating in a UF sponsored event or religious observance, you may make up an exam only if you make arrangements with your instructor at least ONE WEEK PRIOR to the event. You must present documentation of a UF sponsored event. If illness or other extenuating circumstances cause you to miss an exam, contact your instructor (no later than 24 hours before the exam) by email. You will be required to bring the appropriate documentation during office hours and you will be allowed to sign up to take a makeup exam at the end of the semester on April 25th.

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To summarize, your final grade in the course will be derived as follows:

Lecture Quizzes	4%
In class Group Activities	10%
Discussion Quizzes	10%
Canvas Homework	4%
Written Homework	2%
Three semester exams	45%
Final Exam	25%
Total	100%

This grade will then be converted to a letter grade using the following grading scale:

>= 90.00	A	70.00 - 73.99	C
87.00 - 89.99	A-	67.00 - 69.99	C-
84.00 - 86.99	B+	64.00 - 66.99	D+
80.00 - 83.99	B	60.00 - 63.99	D
77.00 - 79.99	B-	50.00 - 59.99	D-
74.00 - 76.99	C+	<50	E

Note: Any grade lower than C does not give Gordon Rule or General Education credit. Extra assignments for individual students to improve a grade are not possible. There will be no review of disputed points at the end of the semester. **All grade concerns must be settled within one week of the receiving the grade on the assignment.** For a complete explanation of current policies for assigning grade points, refer to the UF undergraduate catalog: <https://catalog.ufl.edu/ugrad/current/regulations/info/grades.aspx>.

4 General Information [\(back to top\)](#)

4.1 Calculators

Calculators are **NOT** permitted on exams and discussion assignments. Please avoid using a calculator on homework as it will not help you prepare for the exams.

4.2 Cellphones

Cell phones must be turned off (not on vibrate) before coming to class. Use (defined as having one physically in your hand) of a cell phone during a test or quiz will be considered contact with another person and will be viewed as a form of academic dishonesty because I cannot be assured in such a circumstance that you have not taken a picture of the test/quiz or sent a text message to someone. Thus, do not touch your cell phone during a test or quiz. **Wait until after you have left the room and are finished with the test/quiz to use it.** Smart watches, iPods and other music players are not to be used during class (including while taking tests and quizzes). Having one out during a test or quiz will result in a grade of zero and possible disciplinary action.

4.3 Getting Help

TECHNICAL DIFFICULTIES

For issues with Canvas, please contact the UF Help Desk at:

- <http://helpdesk.ufl.edu>
- (352) 392-HELP (4357)
- Walk-in: HUB 132

MATHEMATICAL OR OTHER DIFFICULTIES

There are many resources available to help you succeed in the course. In addition to your instructor, resources include:

1. The LIT 215 Math Lab is located in Little Hall and is open Monday-Friday, 9:35 am to 4:00 pm. It is staffed by Broward tutors and mathematics graduate students. You can go there to study and to ask any questions you may have. Your TA along with other TAs will be there to help with Calc 2 at specific times during the week. A schedule with these times will be posted in Canvas in the first two weeks of class.
2. The Teaching Center Math Lab, located at SE Broward Hall, is a tutorial service staffed by trained math and science students to provide help with your calculus questions and homework. Tutors will be glad to provide guidance on specific problems after you have attempted them on your own. You may want to attend different hours to find the tutors with whom you feel most comfortable. You can also request free one-on-one tutoring. Check the webpage, <https://teachingcenter.ufl.edu/> for a map of the location, tutoring hours, and more. All students are encouraged to use the resources of the Broward teaching center.
3. Office of Academic Support offers free one-on-one and small group tutoring sessions to any UF students. See <http://oas.aa.ufl.edu/programs/tutoring/> for details.
4. UF Counseling Center provides information and workshops on developing Math Confidence. The center also offers counseling support in case of issues with academics, adjusting to the stress of college life, or personal challenges. Please use this resource before you get overwhelmed! You may contact the center at <https://counseling.ufl.edu/>.
5. Textbooks and solutions manuals are located at the reserve desks at Marston Science Library.
6. Private Tutors: If after considering all of these aids, you feel you need more help, a list of qualified tutors for hire is available at <https://www.math.ufl.edu/files/tutorlistFall2018.pdf>.

4.4 Accommodations for Students with Disabilities

Students requesting class and exam accommodations must first register with the Dean of Students Office Disability Resource Center (DRC). Information about the DRC is available at <https://drc.dso.ufl.edu/>. The DRC will provide a documentation letter to the student to present to the course instructor. This must be done as early as possible in the semester (**i.e. at least 10 business days before the first exam**), so there is adequate time to make proper accommodations.

4.5 Academic Honesty Policy

All University of Florida students are bound by the Honor Pledge, which states:

We, the members of the University of Florida community, pledge to hold ourselves and our peers to the highest standards of honor and integrity by abiding by the Honor Code.

As such, on all work submitted for credit by students at the University of Florida, the following pledge is either explicitly required or implied:

On my honor, I have neither given nor received unauthorized aid in doing this assignment.

You should read and familiarize yourself with the Honor Code, available at <https://sccr.dso.ufl.edu/students/student-conduct-code/>. It specifies a number of behaviors that are in violation, and the possible sanctions. 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 the instructor.

4.6 U Matter, We Care

Your well-being is important to the University of Florida. The U Matter, We Care initiative is committed to creating a culture of care on our campus by encouraging members of our community to look out for one another and to reach out for help if a member of our community is in need. If you or a friend is in distress, please contact umatter@ufl.edu, so that the U Matter, We Care Team can reach out to the student in distress. A nighttime and weekend crisis counselor is available by phone at 352-392-1575. The U Matter, We Care Team can help connect students to the many other helping resources available including, but not limited to, Victim Advocates, Housing staff, and the Counseling and Wellness Center. Please remember that asking for help is a sign of strength. In case of emergency, call 911.

4.7 Online Evaluations

“Students are expected to provide feedback on the quality of instruction in this course by completing online evaluations. Evaluations are typically open during the last two or three weeks of the semester, but students will be given specific times when they are open.

Disclaimer: This syllabus represents my current plans and objectives. As we go through the semester, those plans may need to change to enhance the class learning opportunity. Such changes, communicated clearly, are not unusual and should be expected.

Tentative schedule:

MONDAY	TUESDAY	WEDNESDAY	THURSDAY	FRIDAY	SUNDAY
Jan 6th Syllabus & Review	7th D1 U-sub Review	8th L1	9th	10th L2	12th -Basic Integration -IBP
13th L3	14th D2	15th L4	16th	17th L5	19th -Trig Integration
20th MLK OFF	21st D3 Quiz 1 (L1-4)	22nd L6	23rd	24th L7 L8	26th -Trig Sub
27th L9	28th D4 Quiz 2 (L5-6)	29th L10	30th	31st L11/L12	Feb 2nd -Partial Frac- tions(PFD)
3rd L13	4th D5	5th Review Exam 1	6th Exam 1: L1-13	7th No Class	9th -Improper Integration -Written Homework 1
10th L14	11th D6	12th L15	13th	14th L16	16th -Sequence
17th L17	18th D7 Quiz 3 (L14-17)	19th L18	20th	21st L19	23rd -GeoTelTFD -HS,IT -Comparison Tests
24th L20	25th D8 Quiz 4 (L18-20)	26th L21	27th	28th L22	Mar 1st -Alternating Series Test -Ratio and Root Tests
2nd Spring Break	3rd Spring Break	4th Spring Break	5th Spring Break	6th Spring Break	8th Spring Break

MONDAY	TUESDAY	WEDNESDAY	THURSDAY	FRIDAY	SUNDAY
9th L23	10th D9	11th Review Exam 2	12th Exam 2: L14-23	13th No Class	15th -Written Homework 2
16th L24	17th D10	18th L25	19th	20th L26	22nd -Radius & IOC
23rd L27	24th D11 Quiz 5 (L24-27)	25th L28	26th	27th L29	29th -TPA
30th L30	31st D12 Quiz 6 (L28-30)	Apr 1st L31	2nd	3rd L32	5th -Parametric Equations
6th L33	7th D13 Quiz 7 (L31-33)	8th L34	9th	10th L35	12th -Polar Area
13th L36	14th D14 Last Discussion	15th Review Exam 3	16th Exam 3: L24-35	17th No Class	19th -Written Homework 3
20th L37	21st	22nd Review Final Exam	23rd OFF Reading Days	24th OFF Reading Days	26th -Volume
27th Final Exam 12:30-2:30pm L1-37	28th	29th	30th	May 1st	3rd

Note: Please refer to **Canvas Calendar** for exact due dates. The exam dates are the only dates that will not change, but other due dates might change due to unforeseen circumstances.