Calculus with Analytic Geometry II
MAC 2312 Lecture
4 Credit Hours
Summer C 2019

Instructor: Ian Manly
Office: Little Hall 371
E-mail: imanly@ufl.edu
Office Hours: Thursday 10:45am-12:15pm
               Friday 10:45am-12:15pm
               or by appointment
Lecture: MTF 12:30pm-1:45pm, LIT 219
               R 12:30-1:45pm, ARCH 116

Prerequisites   Appropriate score on the ALEKS placement assessment, or MAC 2311 with a C (2.0) or better.

Course Description   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 with some integration techniques, as well as applications of integration. This is followed by a study of infinite sequences and series, calculus of parametrized curves, polar coordinates and closed with more applications of the material. To aid in building intuition and understanding about these topics, we will be having weekly computer activities using MATLAB.

IMPORTANT NOTE: While there are other sections of MAC 2312 this semester, they will be somewhat different from this course (no computer component, some different topics, different grading scale, etc). You may be able to work with students in another section of the course on some topics, but there will be things you'll be doing that they won't be doing, and vice versa. Even when topics are covered in both courses, they may be introduced at different times. Also, while there is a coordinator for MAC 2312 this summer, they are not involved with the management of this course.

Required Materials   There are no required textbooks for this course. We will make use of a free online textbook available at Openstx Calculus Volume 2. We will often be using MATLAB software. This is available for use at all AT computer labs on campus.

E-Learning Canvas: 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 your grade, course homepage, syllabus, lecture outlines, office hours, test locations, mail tool, discussion forum, free help information, etc. can be accessed from this site.

You are responsible for verifying that your grades are accurate. **You have one week after a score has been posted to contact your instructor if you believe there has been a recording error. There is no grade dispute at the end of the semester.**

E-mail   All communication between student and instructor and between students should be respectful and professional. All official class communications will be sent only to the ufl.edu addresses. Students are responsible for acquiring, checking their email accounts regularly, and any class information sent to their ufl.edu account. Please be sure to sign your name to your e-mails.

Tests	Mid-term exam dates are as follows: Thursday, June 13th Friday, July 12th Tuesday, July 30th Makeup, Wednesday, August 7th There will be three (paper and pencil) mid-terms throughout the semester. There will be no multiple choice questions on these exams - the questions are all free response. These exams will take place in class, except for the makeup exam. The FINAL EXAM will be Friday, August 9th from 12:30 - 1:45pm. Make a note of this now and please inform any interested parties (e.g. your parents) who may be making plans for you around that time (such as purchasing place tickets to fly home, etc.).
Class Participation	Attendance in class both in lecture and computer labs is highly recommended. Students who come to class and participate are more likely to do well in the course. Your Class Participation grade will be determined in one of the following two ways (whichever is more beneficial to your grade). Either your average in the other categories of the course will be used (Computer Labs, Homework, Midterms, and the Final), or the percentage of days in which you completed some practice problems in class will be used (with three drops for unexcused absences). Practice problems will be given throughout lecture days, and you will turn them in at the end of class. Correct or completed work is not necessary for credit - you only need to have shown that you have tried your best on these problems. There will be no makeups for missed classwork. It will either not affect your grade in any way (for an excused absence) or it will count as a 0 (for an unexcused absence beyond the three drops).
Written Homework	Once a week, typically on Fridays, a new written homework assignment will be posted in the Assignments tab on Canvas. You have until the following Friday to complete the assignment. You will then turn in your assignment in class. You are allowed to work on these problems with others, but you must turn in your own work for credit. The number of assignments for this semester is TBA, but your lowest two assignment grades will be dropped.
Computer Labs	Each Thursday during the semester, class will meet in ARCH 116 rather than LIT 219. During this class, we will typically be working on a computer lab assignment that will explore the topics discussed in lecture. These assignments will usually involve MATLAB, a common programming language used in science and engineering. No prior MATLAB experience is required - everything you need to know will be taught in labs. Following a brief description of the assignment, you will work either on your own or in groups to complete computer activities. Typically, you will have enough time to complete these assignments in class. Upon completing them, ensure that they compile, then send the .m file with the filename "lastname_n",with lastname being your own last name and with n being the assignment number. Even if you work in groups, each student must submit their own assignment. If you don't complete the assignment in class, you can complete it on your own at any AT computer lab and submit it to your instructor by the following Thursday. There are no drops for computer assignments. Occasionally, Thursday's class may be used for something other than a computer lab, though we will meet in ARCH 116 regardless.

Grading Class Participation: 10%

Computer Labs: 10%

Written Homework: 10%

Midterm Exam Average (3 mid-term exams): 45%

Final Exam: 25%

Your grade will be calculated in one of two ways. In the first option, each midterm exam carries equal weight. In the second option, one midterm exam score (the lowest one) is replaced by the final exam score (which therefore counts as both grades). The option that results in the highest percentage will be used. In situations where the lowest midterm exam score is a grade of zero resulting from academic misconduct, then the first option will be used.

Grading Scale

90-100 A	87-90 A-	84-87 B+	80-84 B
77-80 B-	74-77 C+	67-74 C	64-67 C-*
60-64 D+	57-60 D	54-57 D-	0-54 E

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

For those take the S-U option: 67-100 S   0-67 U

Approval of the S-U option must be obtained from your instructor. The deadline for filing an application with the Registrar and further restrictions on the S-U option are given in the Undergraduate Catalog.

For a complete explanation of current policies for assigning grade points, refer to the UF undergraduate catalog:

catalog.ufl.edu/ugrad/regulations/info/grades.aspx

NOTE: We will not review disputed points at the end of the semester. All grade concerns must be settled within one week of the return of the paper.

Make-up Policy All make-up work must be arranged with your instructor.

- **Make-up Exams** 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 after the exam) by email. Then, as soon as possible after you return to campus, bring the appropriate documentation to them in Little Hall during office hours. You will be allowed to sign up to take a makeup exam at the end of the semester.

- **Make-up class participation points**: There are no make-ups.

Incomplete   Students who are currently passing a course but are unable to complete the course because of illness or emergency may be granted an incomplete grade of I which will allow the student to complete the course within the first two weeks of the following semester. See the policy on http://www.math.ufl.edu/fac/incompletes.html. If you meet the criteria, you must see your instructor before finals week to be considered for an I. An I only allows you to make up your incomplete work, not redo your work.

Free Help   In addition to attending class regularly and visiting your instructor during their office hours (or by a scheduled appointment), the following aids are available.

- The Math Help Center in Little 215 is open for drop-in assistance with homework Monday through Friday from 11:00am to 3:00pm. It is staffed by mathematics graduate students and undergraduate assistants. Please note that this space is not designed for intense one-on-one tutoring, but rather as a resource for quick questions and explanations. You should not expect the staff to help you if you have not at least begun your homework and have specific questions.

- The Teaching Center Math Lab, located in 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 tutors with whom you feel most comfortable. You can also request free one-on-one tutoring.

- Office of Academic Support offers free one-on-one and small group tutoring sessions to an UF students. See http://oas.aa.ufl.edu/tutoring.aspx for details.

- Textbooks and solutions manuals are located at reserve desks at Marston Science Library.

- Private Tutors: If after availing yourself of these aids, you feel you need more help, you may obtain a list of qualified tutors for hire at www.math.ufl.edu. Seach "tutors".

- The Counseling Center has some informative information on developing math confidence. Go to
http://www.counseling.ufl.edu/cwc/DevelopingMath-Confidence.aspx
for information on math confidence and information on joining the Academic Confidence Group.

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

Cell Phones   Cell phones must be turned off or put on vibrate before coming to class. Use (defined as having one physically in your hand) of a cell phone during a test 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 to use it.**

Music Players   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.

Students with Learning Disabilities	Students requesting class and exam accommodations must first register with the Dean of Students Office Disability Resource Center (DRC), www.dso.ufl.edu/drc/. That office will provide a documentation letter via email to your instructor. This must be done as early as possible in the semester, **at least one week before the first exam**, so there is adequate time to make proper accommodations.
Academic Honesty Guidelines	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 Mathematics Department expects you to follow the Student Honor Code. We are bound by university policy to report any instance of suspected cheating to the proper authorities. You may find the Student Honor Code and read more about student rights and responsibilities concerning academic honesty at the link www.dso.ufl.edu/sccr/.

In addition, we remind you that lectures given in this class are the property of the University/faculty member and may not be taped without prior permission from the instructor and may not be used for any commercial purpose. Students found to be in violation may be subject to discipline under the Student Conduct Code.

Note: Information in this syllabus is subject to change. Any changes will be clearly announced in class or through e-mail.