

MAC 1147 - Spring 2020

SYLLABUS

CONTACT INFORMATION

The course home page is located in Canvas. Log in to Canvas at <https://elearning.ufl.edu>.

You can send a message to your instructor or TA using the Inbox in Canvas (left side). This is the preferred method for communication for the class

Coordinator

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Teaching Assistant

TA _____

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1. Introduction

1a. Course Content

College algebra, functions, coordinate geometry, exponential and logarithmic functions, and trigonometry. This **fast-paced course** is designed as a review of algebra and trigonometry to prepare the student for calculus. If you feel this course will be too fast paced, you can take it over two semesters by taking MAC 1140 Precalculus Algebra and then taking MAC1114 Trigonometry. You have until the end of add/drop (first five days of the semester) to change your schedule.

A minimum grade of C (not C-) in MAC 1147 satisfies four hours of the general education requirement and also satisfies the pure math portion of the state Writing/Math requirement. Note: A student can receive at most four credits for taking both MAC 1147, and MAC 1140 or MAC 1114, and at most five credit hours for taking MAC 1147, MAC 1140, and MAC 1114. Students who successfully complete this course (C or better) can advance directly to MAC 2311, Calculus 1 (for engineers and scientists), or into MAC 2233, Survey of Calculus.

If your goal is to take MAC 2233, Survey of Calculus (for business majors), then you might want to talk to your advisor about taking MAC 1140, Precalculus Algebra, instead of this course (which includes trigonometry) since there is no trigonometry requirement for MAC 2233.

Students taking this course for general education credit or the pure math portion of the Math requirement, and who do not need precalculus for their major or as preparation for calculus, might consider taking MGF 1106, MGF 1107, or MAC 1105. For more information on math courses and math advisors go to <http://www.math.ufl.edu/>.

1b. Prerequisites

A minimum score of 50% on the ALEKS exam or prior MAC1147 credit (or higher) is required.

This course assumes prior knowledge of intermediate algebra (Algebra 2) and trigonometry. Students should be able to do arithmetic without a calculator.

MAC 1147 begins with a short review of high school algebra topics. You should already be competent in working this material.

1c. Required Materials

- ◆ This course utilizes material from two textbooks, both of which will be made available for free in E-Learning/Canvas. There is no textbook purchase required.
 - Precalculus, by Abramson et al. Published by OpenStax
 - Intermediate Algebra, by Carmichael et al. Published by CK-12 Foundation

1d. E-Learning Canvas

Canvas is the central website for our class. To access it go to <https://elearning.ufl.edu> and log in with your Gatorlink credentials. All, class announcements, lecture outlines, and other information will be posted there. You are responsible for verifying that your grades are accurate.

Your grades for assignments will also be posted on Canvas. I am always happy to discuss the content of an assignment, but grade issues must be dealt with in a timely manner. **You have one week after a score has been posted to contact your TA if you believe there has been a grading or a recording error.**

1e. Lectures

You will attend lecture three times a week. The lectures provide the main presentation of the course material and are an important aspect of the learning process. You are responsible for learning the material missed due to an absence. Lecture outlines can be printed from Canvas. It is suggested that you read the book, attend lecture, and do the corresponding homework.

1f. Calculator Policy

A calculator may be used on homework and other out-of-class assignments, but not on discussion quizzes nor on exams.

1g. Discussion Sections

Discussion sections meet once a week (either Tuesday or Thursday, depending on the section in which you are registered) and give you a valuable opportunity for open discussion of the lecture material and assigned problems in a smaller class setting. A significant portion of the points that determine your grade are earned in discussion class. If necessary, up to two times during the semester you may attend a different period of your TA's discussion class. Go to www.math.ufl.edu/courses to see when and where your TA teaches.

Your main resource person is your TA, who leads your discussion class. He or she is available during office hours (or by appointment) to answer your questions about the course material. Your TA is responsible for grading/recording your discussion quizzes, homework, free response on tests, and lecture participations. You must retain all returned papers in case of any discrepancy with your course grade. You should check Canvas regularly and consult with your discussion leader if you have any questions about recorded 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 your coordinator.

1h. Help (free)

- ◆ **Your Teaching Assistant (TA)** in the mathematics department. He or she is available during office hours to answer your questions about the course material.
- ◆ **Professor Carmichael** during office hours: Thursdays 9:30 – 12:30 in LIT313
- ◆ **Any of the MAC 1147 TAs** (See Canvas for office hours).
- ◆ In addition to the above, the following aids are available.
 - ◆ The Teaching Center Math Lab, located at SE Broward Hall, offers free informal tutoring all days except Saturday. You may want to attend different hours to find the tutors with whom you feel most comfortable. Go to www.teachingcenter.ufl.edu to find the hours. You can also request free one-on-one tutoring.
 - ◆ The Little Hall Math Lab in room 215. Monday – Friday.
- ◆ **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. Search “tutors”.
- ◆ For help resolving technical issues (computer problems, Gatorlink, etc.) contact the UF Computing Help Desk at <http://helpdesk.ufl.edu> , 352-392-help.

- ◆ Contact information for the Counseling and Wellness Center: <http://www.counseling.ufl.edu/cwc/Default.aspx> , 392-1575; and the University Police Department: 392-1111 or 9-1-1 for emergencies.
- ◆ 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 9-1-1.

1i. Success

Success in MAC 1147 depends largely on your attitude and effort. Keeping up with the material is critical. Research has shown that it is more effective to do a small amount of math every day rather than a large amount in a single day.

Studies have also shown that the most important factor for success in math is class attendance. Students who come to class succeed much more often than those who don't.

That said, most of the learning you will do in this course will take place outside of the classroom. Mathematics is not a spectator sport. Watching someone solve a problem is very different from being able to solve it yourself. **You should expect to spend at least 12 hours per week working on this course – four in class hours and eight hours outside of class.**

It can also be very helpful to study with a group. This type of cooperative learning is encouraged, but be sure it leads to a better conceptual understanding. **You must be able to work through the problems on your own.** Even if you work together, **you must turn in your own work, not a copied solution, on any collected individual assignments.**

1j. Students with Disabilities

Students with disabilities who experience learning barriers and would like to request academic accommodations should connect with the disability Resource Center by visiting disability.ufl.edu/students/get-started. It is important for students to share their accommodation letter with their instructor and discuss their access needs, as early as possible in the semester

1k. Academic Honesty

UF 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. 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 Honor Code located at <http://www.dso.ufl.edu/sccr/process/student-conduct-honor-code/> specifies a number of behaviors that are in violation of this code 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 or TAs in this class.

2. Testing

The first four exams are at 8:30 p.m. See the course calendar for the dates. The cumulative final is during finals week. Room locations will be posted on Canvas prior to the exams

- ◆ Students are responsible for material covered in the lecture notes, including example problems from lectures, all assigned homework problems, and all review material.
- ◆ There are sample exams under the Course Materials link on Canvas. Also, sample exams are available from the Teaching Center one week prior to the exam.
- ◆ You should bring to each test only* the following:
 - Your UF Gator One Card.
 - Soft lead pencils.
 - Knowledge of your TA's name.
 - You are strongly recommended not to bring anything of value to the test since you are not allowed to take items such as backpacks to your seat.
- ◆ **No calculators will be permitted.** All electronic devices, including phones, must be put away. Scratch paper will be provided.
- ◆ The Test Form Code, as well as **your UF ID**, and name must be encoded correctly or you will lose points. You must also take the test in your assigned test location or you will lose points on your test.
- ◆ No one will be admitted to the test 30 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.

3. Grading

3a. Course Grade

Here is a breakdown of the items that will determine your grade in this course:

| Item | Grade % | Comments |
|--------------------|------------|---------------------------|
| Homework | 12% | Lowest two scores dropped |
| Discussion Quizzes | 15% | Lowest two scores dropped |
| Canvas Activities | 3% | No scores dropped |
| Exams | 50% | Lowest score dropped |
| Final Exam | 20% | |
| Bonus | up to 1.5% | |

Note: The Canvas Gradebook is programmed to handle the drops mentioned above. Drops will appear in gray in the Gradebook and will change as you acquire more scores. Some scores may not be added to Canvas until the end of the semester.

Your course grade is based on the overall percentage you earn according to the items above. Final percent scores will **not** be rounded.

| | | | | | | | |
|------|-----|--|------|-----|--|------|-----------|
| • A | 90% | | • B- | 77% | | • D+ | 64% |
| • A- | 87% | | • C+ | 74% | | • D | 60% |
| • B+ | 84% | | • C | 70% | | • D- | 57% |
| • B | 80% | | • C- | 67% | | • E | Below 57% |

For information on dropping courses and withdrawals go to:

<https://catalog.ufl.edu/ugrad/current/regulations/info/drops.aspx#drop>

For information about UF grades and grading policies go to:

<https://catalog.ufl.edu/ugrad/current/regulations/info/grades.aspx>

3b. Canvas Activities

There will be several activities in Canvas that you will do during the semester such as the syllabus quiz, contract, and self-evaluation. These are structural/pedagogical assignments that do not require content knowledge; they are designed to make sure you know the details of the course and get the most out of your study time.

3c. Homework

Homework problems for each lecture will be posted in Canvas; however, there will be one or more items you must complete in Canvas before you can access them. These items may be as simple as looking at the textbook but could also include an activity such as the syllabus quiz. Each week you will turn in two homework problems at the end of your discussion section. The problems will come from the assignments covered in that week's discussion quiz and will be graded similarly to discussion quiz questions.

3d. Discussion Class Quizzes

Quizzes will be administered in the discussion section the last 10-15 minutes of class by your discussion leader. Quizzes will be based on the previous lectures and homework assignments. See the calendar for more information. **If you feel there is a grading error or posting error on Canvas, you must discuss it with your TA within one week.** No aids may be used on the discussion quiz.

If you are more than ten minutes late to class, you will suffer a penalty on your discussion quiz score.

3e. Bonus Points

Lecture Participation bonus points will be given in lecture four times during the semester. To receive credit you must put your name and your TA's name on your paper. There are no make-ups.

3f. Make-up Policies (See section 3a to see which scores are dropped.)

All make-up work must be completed by noon Wednesday, April 22.

- ◆ **Exams** - If you have a conflict due to a UF sponsored event or an assembly exam in another course with a higher course number, you must bring your documentation to your coordinator at least one week (otherwise 5% penalty) before the exam to sign up for the make-up which will be given within one week of the test date.

If you miss for any other valid reason you must notify your coordinator within a week of the exam (otherwise 5% penalty). **To be eligible for a make-up you must receive credit for at least two**

Lecture Participation bonuses by the end of the semester. This make-up will be given at the end of the semester.

If other classes are scheduled during your exam time, University policy states that the assembly exam takes precedence over the evening class and the evening class instructor must provide make-up work and cannot penalize students who miss because of an assembly exam.

- ◆ **Final Exam** - There is a 10% penalty for missing the final due to negligence.
- ◆ **Discussion quizzes** - There are no make-ups except under the following circumstances
 - a) You are participating in a UF sponsored event, for which you must bring your documentation at least one week prior to your coordinator.
 - b) You miss at least three discussion quizzes for which you have valid, documented reasons for your absences. You will be allowed to make up the excused absences that are in excess of two. Bring your documentation to your coordinator within one week of your third discussion quiz absence.
 - c) You miss because of a religious holiday. You must notify your coordinator within the first three weeks of the semester if you will be missing a discussion class due to a religious holiday.
 - d) You miss because of a court-ordered or military obligation – see your coordinator.
- ◆ **Homework collection** – If you are not able to be in discussion class that day, you can turn your HW in early to your TA or have someone take it to class for you. There is a penalty for not being in discussion class.
There are no make-ups, unless you are participating in a UF sponsored event. In this case you must bring your HW to your TA prior to the collection day along with your documentation.
- ◆ **Bonus** - There are no make-ups.
- ◆ Absences and Make-up Work: “Requirements for class attendance and make-up exams, assignments, and other work are consistent with university policies that can be found at <https://catalog.ufl.edu/ugrad/current/regulations/info/attendance.aspx>

3g. Incomplete/Concerns/Complaints

- ◆ **Incomplete:** A grade of I (incomplete) will be considered only if you meet the Math Department criteria which are found at <http://www.math.ufl.edu/>. If you meet the criteria you must contact your coordinator before finals week to be considered for an I. An I only allows you to make up your incomplete work, not redo your work.
- ◆ **Concerns/Complaints:** If you have concerns/complaints about the course you may voice your concerns to the course coordinator, the Mathematics Department Associate Chair, and then the University Ombuds at ombuds.ufl.edu.

4. Instructor Evaluations

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/>.”