

MAC1147: Precalculus Algebra and Trigonometry (Online)

Summer B 2020

Instructor: Dr. Alexander York

E-mail: a.york@ufl.edu

Office Hours (via Zoom): TBD

Teaching Assistant (TA): Recep Celebi

E-mail: rcelebi@ufl.edu

Office Hours (via Zoom): Mondays at 1:30-2:30pm and Wednesdays at 10:30-11:30am

Teaching Assistant (TA): John Streese

E-mail: jstreese@ufl.edu

Office Hours (via Zoom): Tuesdays at 9:30-10:30am and Thursdays at 2:00-3:00pm

Course Homepage/E-Learning Canvas & Course Calendar

The course homepage is located in Canvas. Log in to Canvas at <https://elearning.ufl.edu>. Use your Gatorlink username and password to login. You can find lecture videos, assignments, Zoom links and passwords for office hours, your grades, announcements, etc. on this site. You can send a message to your instructor or teaching assistant by going to the Inbox in Canvas (left side).

Check the course calendar, which is available on the course homepage in Canvas, to plan your schedule accordingly. The course calendar includes the dates on which lecture videos will be uploaded to Canvas, a full list of lectures along with brief description of each lecture content, exam dates, and lecture-textbook section correspondence for your convenience.

Course Content & Goals

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 to change your schedule.

Prerequisites: 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 (first seven lectures). **You should already be competent in working this material.**

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/>.

Required Materials

There are no required textbooks for this course. We will make use of a free online textbook available at [OpenStax Precalculus](#). OpenStax is a nonprofit ed-tech initiative based at Rice University. Since 2012, OpenStax has created peer-reviewed, openly licensed textbooks. A pdf copy of the textbook is also available on Canvas under the Modules tab.

Computer access and requirements

All assignments should be taken on a computer, not cell phone or tablet, since there may be compatibility issues with Canvas. In particular it has been noted that Safari has some issues with Canvas, so it is recommended that you do not use Safari when accessing assignments on Canvas.

Calculators

No calculators are allowed on exams. However, a graphics calculator and WolframAlpha are useful as a study and learning tool when used appropriately, but they are not essential.

Lectures & Assignments

Lectures will be delivered via pre-recorded videos. There will be at least one video for each lecture. Videos can vary in length depending on the content taught and technological necessities. Lecture videos can be found on Canvas under the Modules tab. When you click on Modules, you will see that each lecture is followed by its respective assignment. For assignments, we will be using MyOpenMath, a free, open source, online course management system for mathematics and other quantitative fields. To access an assignment, you just need to click on the assignment name in Canvas; you do not need to visit MyOpenMath website, nor do you need to create a MyOpenMath account. MyOpenMath and Canvas have already been integrated. You can also access assignments by clicking on the Assignments tab. You will see that assignments are grouped together by the week in which they were assigned.

Lecture videos will be uploaded to Canvas according to the course calendar, which is available on the course homepage. Lecture videos should be uploaded by noon on the day indicated on the course calendar. Each week's assignments will be made available on Monday of that week at 12:00am, and the deadline to submit assignments is Sunday of that week at 11:59pm, except for Week 6 (the last week of classes) when the deadline is Friday, August 14 (the last day of classes) at

11:59pm. **There are no extensions or make-ups for missed assignments!**

Exams

There will be three exams during the semester and a cumulative final exam on the last day of classes. Exam dates and coverage can be found on the course calendar. Details will be announced about each exam as the exam date approaches. All exams will be proctored by Honorlock.

Honorlock

Honorlock will proctor your exams this semester. Honorlock is an online proctoring service that allows you to take your exam from the comfort of your home. You DO NOT need to create an account, download software or schedule an appointment in advance. Honorlock is available 24/7 and all that is needed is a computer, a working webcam, and a stable Internet connection.

To get started, you will need Google Chrome and to download the Honorlock Chrome Extension. You can download the extension at www.honorlock.com/extension/install.

When you are ready to test, log into Canvas, go to your course, and click on your exam. Clicking "Launch Proctoring" will begin the Honorlock authentication process, where you will take a picture of yourself, show your ID, and complete a scan of your room. Honorlock will be recording your exam session by webcam as well as recording your screen. Honorlock also has an integrity algorithm that can detect search-engine use, so please do not attempt to search for answers, even if it's on a secondary device.

Honorlock support is available 24/7/365. If you encounter any issues, you may contact them by live chat, phone (844-243-2500), and/or email (support@honorlock.com).

Academic Honesty

The official Student Honor Code and Student Conduct Code can be found at <https://sccr.dso.ufl.edu/policies/student-honor-code-student-conduct-code/>. If you have never read through those, then you should do so now. In particular, there is 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 Student 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."**

Any dishonorable activities should be reported immediately. **Any student caught cheating will automatically fail the course and will be subject to additional honor court penalties.** Students are expected to do their own work unless otherwise specified. If you have any doubt, you should ask for clarification before you commit a possible violation.

Students with Disabilities

Students with disabilities who experience learning barriers and would like to request academic accommodations should connect with the Disability Resource Center (DRC) 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.

Help and Tips for Success

For help resolving technical issues (computer problems, Gatorlink, etc.), contact the UF Computing Help Desk at <http://helpdesk.ufl.edu> or 352-392-HELP (4357).

Your instructor and TA are glad to help. If you are seeking help on a specific problem, you should first have attempted the problem yourself. If you are seeking help online, you can take a snapshot of your work and attach that to a message (to your instructor or TA) in Canvas requesting help. Office hours are also available, as indicated on the first page of this syllabus.

In addition to your instructors, the following third-party aids are available for FREE:

1. The Teaching Center, located at SE Broward Hall; see <https://teachingcenter.ufl.edu/>. Note: Any exam prep or other materials should not be considered a good indicator of what the exams in this online course are like. This applies equally to all third-party note or review services.
2. The Office of Academic Support; see <https://oas.aa.ufl.edu/currentstudents/tutoring/>.

The Mathematics Department maintains a list of qualified private tutors for hire. Go to <https://math.ufl.edu/> and search for “tutors” to find the list.

Success in MAC 1147 depends largely on your attitude and effort. Keeping up with the videos is critical. Most students find it beneficial to work daily on the material as opposed to saving it all for one day. It is not effective to sit and copy notes without following the thought processes involved in the lecture.

Be aware that much of the learning of mathematics at the university level takes place outside of the classroom. You need to spend time reviewing the concepts of each lecture before you attempt homework problems. It is also important to spend some time looking over the textbook sections to be covered in the next lecture to become familiar with the vocabulary and main ideas beforehand so that you will be better able to grasp the material presented in the videos. **You should expect to spend at least 12 hours per week working on this course.** Many students will need to spend more time than this to be successful in this course.

If you do not complete the assignments, then you are not prepared enough to do well on exams. Note that if you find you need more practice beyond the existing assignments, you can use the unassigned problems in the textbook, in which case please feel free to ask your instructor or TA questions about any of those problems.

UF's Counseling & Wellness Center 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! See <http://www.counseling.ufl.edu/cwc/>, or call (352) 392-1575. In a crisis, consider calling:

- Alachua County Crisis Center: 352-264-6789
- Alachua County Rumor Control: 352-264-6557
- National Suicide Hotline: 1-800-SUICIDE (7842433)
- National Suicide Prevention Lifeline: 1-800-273-TALK (8255)

Make-up Policy

Students must provide valid documentation for requesting a make-up exam due to a scheduling conflict **by the end of the first week to avoid penalty**. If illness or other extenuating circumstances force you to miss an exam, contact your instructor as soon as possible (no later than 24 hours after the exam) for approval to schedule a make-up exam. **We do not consider traveling or lack of internet access as a valid excuse for a make-up exam.**

Grading

The course grade is determined by the following components:

Assignments*	25%
Exam 1	15%
Exam 2	15%
Exam 3	15%
Final Exam	30%

*Assignments are grouped in weeks: Week 1 assignments are worth 5% of your course grade whereas Weeks 2-6 assignments are each worth 4% for a total of 25% of your course grade.

Grade Scale

You will have ample opportunity to earn your grade in this course. There will be no extra assignments, extra make-ups, rounding up, etc. because you “need” a certain grade. (Any requests for such may be ignored.) **If you “need” a certain grade, you should work hard all semester to make sure you earn it.**

Final letter grades will be assigned by your final percentage as follows:

A	90.00 and above	C	70.00 – 73.99
A–	87.00 – 89.99	C–*	67.00 – 69.99
B+	84.00 – 86.99	D+	64.00 – 66.99
B	80.00 – 83.99	D	60.00 – 63.99
B–	77.00 – 79.99	D–	57.00 – 59.99
C+	74.00 – 76.99	E	56.99 and below

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

For those who take the S-U option: S 70.00-100 U 0.00-66.99

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 summer B terms, the deadline is Wednesday of the second week of classes. For a complete explanation of current policies for assigning grade points, refer to the UF undergraduate catalog: <https://catalog.ufl.edu/UGRD/academic-regulations/grades-grading-policies/>

Incomplete Grades

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 Math Department policy on <https://math.ufl.edu/departments/incomplete-grades/> If you meet the criteria, you must notify 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.

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.bluer.com/ufl/>. Summaries of course evaluation results are available to students at <https://gatorevals.aa.ufl.edu/public-results/>.