

MAC1140 Precalculus Algebra

Jeramiah Hocutt

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1 Course Description

MAC 1140, Precalculus Algebra, is a review of college algebra designed to prepare students for calculus. Students who successfully complete this course with a C or better can advance directly to MAC 2233, Survey of Calculus. For students preparing for MAC 2311, Analytical Geometry and Calculus 1, this class MAC 1140 should be followed by MAC 1114, Precalculus Trigonometry. The sequence of both MAC 1140 and MAC 1114 covers the same material and uses the same text as the one semester, faster paced course,

MAC 1147, Precalculus Algebra and Trigonometry. As such, if you have already received credit for MAC 1147, you cannot earn credit for MAC 1140 or MAC 1114 again.

With a grade of C or better MAC 1140 satisfies three hours of the general education requirement and also satisfies the pure math portion of the state Writing/Math requirement. Students taking this course for general education credit or the pure math portion of the Writing/Math requirement, and who do not need precalculus for their major or as preparation for a later calculus class, might consider taking MGF 1106, Math for Liberal Arts Majors 1, MAC 1107, Math for Liberal Arts Majors 2, or MAC 1105, College Algebra. For more information on math courses and math advisors, go to <http://www.math.ufl.edu>.

1.1 Prerequisites

There are no specific prerequisites for this course, however, students should be familiar with high school algebra techniques and be able to perform arithmetic *without a calculator*.

1.2 Course Goals

There are two main components to the class: Lecture and Discussion. The lecture meets on Monday and Wednesday and provides the main presentation of course material and will follow, as closely as possible, the class calendar and lecture outline. You are responsible for learning lecture material missed. You may print out the lecture notes which can be found on Canvas.

Discussion sections meet on Thursday and give you a valuable opportunity for open discussion of the lecture material and assigned problems in a smaller class setting. Your primary contact for assistance is your discussion leader, a teaching assistant (TA) in the mathematics department. 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, and free response on exams. **Your discussion leader is a great resource; when in doubt, ask your discussion leader.**

1.3 Course Materials

This course will not require a textbook, nor will it require any online homework access code. Instead we will be utilizing an open source textbook through OpenStax. The online homework will be through a system that was designed at UF by the mathematics department; it is called Xronos.

The textbook is the OpenStax Precalculus textbook. It is an open source free textbook, which you can read online or download as PDF. [Preliminary link:](https://cnx.org/contents/_VPq4foj@6.94:vE0nJry_@2/Introduction-to-Functions)

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We will be following chapters 1-4, and some of 9-10.

We will be using the Xronos homework system for assigned online homework. This will be accessed through Canvas. I will be illustrating how to use Xronos in class. If you have any questions or issues, please contact either myself or your TA.

Also available are the lecture notes from the course. These are the notes that I will be following in class. They will be available on Canvas as PDF.

You will also need a H-ITT class responder system (“clicker”) to allow students to participate in lecture. Information will be provided in class and on the MAC1140 homepage in Canvas. This will be the only additional student expense for the course.

1.4 Online Resources

E-Learning Canvas, a free UF tool, is located at <http://lss.at.ufl.edu>. You can find your grades, announcements, lecture outlines, office hours, free help information, test locations, etc. at this site. Canvas should be checked daily as course information can be updated frequently. Use your Gatorlink name and password to login.

2 Course Assignments

2.1 Online Homework

There will be 7 homeworks collected throughout the semester, each worth 20 pts. This give 140 points total; however, the point total which counts towards the final grade will be capped at 120. No individual HW assignment will be dropped. The due dates for these assignments are shown on the course calendar.

2.2 Discussion Quizzes

There will be 10 quizzes collected throughout the semester. These will be given during your discussion period. Each quiz is worth 10 pts. The lowest two quizzes will be dropped. The dates for the quizzes are shown in the course calendar.

2.3 Lecture Participation

Up to 30 points may be earned by attendance in lecture and solving problems in class. Points will be collected through the use of the H-ITT course responder system (clicker). Students are responsible for having a working clicker. Check your clicker ID is displayed on the screen each time it's used in lecture. Weekly HITT grades report will be sent to your UF email. Resolve any issues immediately. No H-ITT points can be recovered or made up. Contact the merchant or the HITT company if you have issues with your clicker.

Register your clicker **AFTER YOUR FIRST** successful use when you see your clicker ID displayed on the screen in class. More details will be available in class and on the course home page in Canvas. Submitting clicker responses for another student is a serious honor code violation.

2.4 Written Homework

Each week, at the end of each lecture on Monday and Wednesday, 2 problems will be assigned pertaining to the current material. These 4 problems will be turned in that Thursday at the beginning of your discussion period. This is to make sure you are staying active in the current material. Each problem is worth 1 point. Given the number of lecture days, the total number of points possible is 56; however, the written homework will be capped at 50 points. The problems assigned in the during the first week will be turned in on Thursday, Jan. 18 to account for drop/add.

2.5 Exams

There are 3 midterm exams each worth 50 points and a cumulative final exam worth 70 points. The dates for these exams are posted on the course calendar. Please make note of these exam dates. Also, the 3 midterm exams are held in the evening from 8:30 p.m. to 10:00 p.m. The time of the final exam is 7:30-9:30 a.m. on Saturday, April 28 as posted in the registrar's calendar.

During the exam, all personal belongings must be put in the front of the exam room. So, do not bring anything valuable. All electronics must be turned off and put out of arms reach. Any possession of a cell phone, calculator, or other electronic device during the exam constitutes a serious violation of academic honesty guidelines.

Points will be deducted if the test form code, UF ID, name, or section number are encoded incorrectly. Points will be deducted if you take the exam in a room other than your assigned exam room.

Students entering more than 20 minutes late will not be allowed to take the exam. Likewise, no student may leave within the first 20 minutes.

3 Grades

3.1 Point Totals

Graded Item	Point Value
Xronos Homework	120
Discussion Quizzes	80
Written Homework	50
Lecture Participation	30
Exams (3 × 50)	150
Final Exam	70
Total Points	500

3.2 Letter Grade Breakdown

Letter Grade	Point Range
A	Above 450
A–	435 – 449
B+	420 – 434
B	400 – 419
B–	385 – 399
C+	370 – 384
C	350 – 369
C–	335 – 349
D+	320 – 334
D	300 – 319
D–	285 – 299
E	Below 285

3.3 Makeup/Drop Policies

The makeup policy for the course varies for each assignment, but the general guidelines follow the UF policy as described in <https://catalog.ufl.edu/ugrad/current/regulations/info/attendance.aspx>.

3.3.1 Quizzes

Since the two lowest quiz grades are dropped, no make-up quizzes are given unless (1) you have already missed at least two quizzes for valid, documented reasons as per the UF policy, (2) you are observing a religious holiday, (3) you are absent due to a court-ordered obligation. Contact your discussion leader if one of these three conditions apply, but all quiz make-ups must be approved by the course coordinator. Under no circumstance may a student complete a quiz early or in a section other than that registered.

3.3.2 Written Homework

Homework may be submitted early. However, **NO** homework may be submitted late.

3.3.3 Lecture Participation

There are no makeups for missed lecture participation points.

3.3.4 Xronos Homework

Students are entirely responsible for completing their Xronos work. Computer issues, website downtime, or other conflicts are not valid excuses for anything missed. There are absolutely no extensions on Xronos work.

3.3.5 Exams

For exams, if you have a documented scheduling conflict due to an official University of Florida event, such as an assembly exam in another class, contact the instructor with documentation at least one week in advance of the exam. If you miss an exam due to a medical emergency, contact the instructor immediately. If the exam is to be missed for another reason outlined in the UF policy, you must contact the course coordinator at the earliest opportunity to discuss the possibility of a makeup. You must be able to provide proper documentation. Students must register for the make-up exam at least a week before the exam date and those who do not will face a penalty on their exam grade, or they may not be able to take the exam.

4 Other Information

4.1 Incomplete Policy

A grade of I (incomplete) will be considered only if you meet the Math Department criteria which is found at <http://www.math.ufl.edu>. If you meet the criteria you must see the class coordinator before the beginning of finals week to be considered for an I. A grade of I only allows you to make up your incomplete work. You cannot redo any previously completed work.

4.2 A Word About Calculators

No calculator is required for this course. Calculators are not allowed on any exam or quiz. All exam and quiz problems will be written so that a calculator is not needed. As such, it is recommended that you avoid using calculators on when working on homework or practice problems.

4.3 Online Course Evaluation

Students are expected to provide feedback on the quality of instruction in this course by completing online evaluations at <https://evaluations.ufl.edu>. 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. Summary results of these assessments are available to students at <https://evaluations.ufl.edu/results/>.

4.4 Advising and Help

For all concerns with MAC1140 Precalculus Algebra, your TA is your first resource. Office hours will be posted and are regular times when they are available to answer questions, discuss grades, advise students on future classes, or help students in any available way. You do **not** need an appointment to visit during office hours. If you need to meet outside of office hours, please contact your TA for an appointment.

As stated above, the course instructor also has office hours and an advising hour. Office hours are to discuss questions, and advising hour is to resolve administrative needs and for general guidance such as discussing grades, signing up for make-up exams, etc.

In addition, there are several other free resources available to you:

- The Teaching Center Math Lab, located at SE Broward Hall, offers free informal tutoring. You may want to attend different hours to find the tutors with whom you feel most comfortable. Also

the Little 215 Tutoring Center provides free tutoring for courses up to Calculus 1. Go to <http://www.teachingcenter.ufl.edu> to find their hours. You can also request free one-on-one tutoring.

- Textbooks and solution manuals are located at the reserve desks at Marston Science Library.
- The Counseling Center has some information on developing math confidence. Go to <http://www.counseling.ufl.edu/cwc/Developing-Math-Confidence.aspx> for information on math confidence and joining the Academic Confidence Group.
- A list of qualified tutors for hire is available at <http://www.math.ufl.edu>.

5 Honor Code

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.

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). 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/.

6 Students with Disabilities

Students requesting classroom accommodation must first register with the Dean of Students Office www.dso.ufl.edu/drc/. The DOS will provide documentation to the student who must then provide this documentation to the course instructor, Jeramiah Hocutt in LIT 475, when requesting accommodation. Any accommodations for exams must be submitted no later than two weeks **before** the first exam. If a student does not supply the appropriate documentation in a timely fashion, the instructor may not be able to accommodate the student in a timely manner.