



**Division of
Academic Enhancement**
UNIVERSITY OF GEORGIA

**UNIV 1110 – Introduction to PreCalculus
Spring 2018**

Course Instructor Information

Instructor: Kevin Kennedy
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Department Phone: 706-542-7575
Office: Milledge 251
Office Hours: Monday, Wednesday and Friday 1:30- 3:00 PM and by appointment as needed.

Course Meeting Information

Meetings: MWF, 3:30 PM
Location: Journalism 511

UNIV Courses are offered by the Division of Academic Enhancement, a unit of the Office of Instruction at the University of Georgia.

The Division empowers all students to achieve success with innovative courses, programs, services, and student-centered initiatives. The DAE supports students as they transition into higher education and sustains their progress through the University's unique academic environment. We are committed to students, committed to success.

Course Description

During this course, students will participate in a review of algebra, problem-solving techniques, graphing functions, and (time permitting) a review of basic trigonometry to prepare them for precalculus.

Learning Objectives

Upon successful completion of this course, students will be able to:

1. Identify, evaluate, perform operations on, and find the domain, range, and inverse of functions.
2. Draw common graphs along with transformations and reflections.
3. Create, graph, evaluate, interpret, and solve real world applications involving linear, quadratic, exponential, and logarithmic functions.
4. Define and evaluate the six trigonometric functions using degrees and radians.
5. Draw the graph of sine and cosine functions.

Assignments and Projects

Students will be evaluated in the following areas:

Homework

Homework is 50% of the final grade. All homework is completed online through ALEKS.

Homework consists of two components:

25% of the final grade is based on the completion of all topics in the ALEKS learning path.

25% of the final grade is based on the completion of all five test reviews (including the final exam test review) in the assignments section of ALEKS.

These assignments are required of all students regardless of when they join the class. Students struggling with assignments from previous sections should see their instructor during office hours.

In addition to the required test review assignments there are extra credit assignments for each learning path objective. These are located in the assignments section of ALEKS.

A note on homework due dates:

The due dates shown on ALEKS for learning path topics and assignments will always be set for the end of the semester. These due dates do not reflect the actual due dates of these assignments.

Learning path topics are always due by the end of the day of the class after the class during which they were covered.

Tests

Tests are 30% of the final grade.

Four tests will be given over the course of the class.

Tests are pencil and paper and in class. Partial credit may be given.

For drop back students, tests from previous sections will be excused.

Drop back students are expected to take the test for the current section.

Allowances may be made for drop back students coming in at the end of a section.

Final Exam

The final is 20% of the final grade.

The final exam is comprehensive.

Every student is expected to take the final.

Grading/Evaluation

Homework: 50%

Tests (4): 30%

Final Exam: 20%

Grading Scale:

94 – 100 A, 90 – 93 A-, 87 – 89 B+, 84 – 86 B, 80 – 83 B-, 77 – 79 C+, 74 – 76 C, 70 – 73 C-, 67 – 69 D+, 64 – 66 D, 60 – 63 D-, < 60 F

Final grades will be rounded. A grade of 79.5 will be rounded up to 80. A grade of 79.49 will be rounded down to 79.

Note: Assignments are not included in the grade shown in the ALEKS gradebook until after the due date. Hence the grade in the ALEKS gradebook will not be an accurate for the majority of the semester.

Make Up Test Policy:

Students who miss a test have one week to arrange to make up their test. After a week their grade for that test will be recorded as a 0.

Course Materials

To complete this course students will be required to have the following:

- A TI 30 XIIS or TI 30 XS scientific calculator
Scientific calculators are allowed (and necessary). Graphing calculators are not.
- ALEKS access
Students who do not have access to ALEKS will need to purchase it by going to www.aleks.com and following the “Sign Up Now” link.
The course code for this class is: VXCMX – GM4XX

Drop back students who already have ALEKS access will need to switch from their previous class to this class using the same course code.

Course Policies

Homework problems will frequently be discussed at the beginning of class. During this time laptops and other devices are allowed. Otherwise, students are expected to keep electronics put away.

Participation Policy

Attendance will be taken each class. Students can have a maximum of 3 unexcused absences. Every unexcused absence after 3 will reduce the student’s final grade by one step (A to A -, B - to C +). Students who have more than 3 excused absences due to serious illness need to contact their instructor to make accommodations.

In the event the university cancels classes, such as for severe weather, students are expected to continue with readings as originally scheduled. Any assignments scheduled

during those missed classes, such as a project or paper, are due at the next class meeting unless other instructions are posted at the course website or communicated via email.

Physical presence is the bare minimum of participation. To get the most out of class, students need to be mentally present as well as physically present. Additionally, students are expected to make a good faith attempt at the homework assigned in the prior class.

Disability Statement

If you anticipate issues related to the format or requirements of this course, please meet with me. I would like us to discuss ways to ensure your full participation in the course. If you determine that formal, disability-related accommodations are necessary, it is very important that you be registered with the Disability Resource Center (Voice: 706-542-8719 or TTY: 706-542-8778) and notify me of your eligibility for reasonable accommodations. We can then plan how best to coordinate your accommodations.

Academic Honesty Policy

As a University of Georgia student, you have agreed to abide by the University's academic honesty policy, "A Culture of Honesty," and the Student Honor Code. All academic work must meet the standards described in "A Culture of Honesty" found at: <https://ovpi.uga.edu/academic-honesty/academic-honesty-policy>. Lack of knowledge of the academic honesty policy is not a reasonable explanation for a violation. Questions related to course assignments and the academic honesty policy should be directed to the instructor.

Other Division Resources

From peer tutoring through the Academic Resource Center to Academic Coaching to Student Success Workshops and more, the Division is committed to the success of all students at the University of Georgia. For more on these and other resources, visit <https://dae.uga.edu>.

Course Outline:

The schedule, policies, procedures, and assignments in this course are subject to change in the event of extenuating circumstances, by mutual agreement, and/or to ensure better student learning. All readings are required unless otherwise noted. Students should read/know required material by the date listed, at which time we will discuss or use the scheduled readings in class.

Week	General Topic	Reading Assignment/Other Assignment
1 Jan. 8,10,12	Functions, Domain and Range	
2 Jan. 17,19	Function Properties and Operations	No Class MLK Day Jan. 15
3 Jan. 22,24,26	Transformations and Inverses	
4 Jan.29, 31; Feb. 2	Circles, Test Review	Test 1, Feb. 2 nd
5 Feb. 5,7,9	Lines	
6 Feb. 12,14,16	Quadratics	
7 Feb. 19, 21, 23	Applications, Test Review	Test 2, Feb. 23 rd
8 Feb. 26, 28; Mar. 2	Exponential Graphs and Applications	
9 Mar. 5, 7, 9	Log Graphs and Properties	
Mar. 12-16		Spring Break- no class
10 Mar. 19, 21, 23	Equations with Logs and Exponentials	
11 Mar. 26, 28, 30	Test Review	Test 3, Mar. 30 th
12 Apr. 2, 4, 6	Angle Measure and Trig Functions	
13 Apr. 9, 11, 13	Trig Graphs	
14 Apr. 16, 18, 20	Test Review	Test 4, Apr. 20 th
15 Apr. 23, 25	Final Exam Review	

Note: The course syllabus is a general plan for the course; deviations announced to the class by the instructor may be necessary.