Precalculus (Math 1113).
www.math.uga.edu/1113
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Boyd 434H

Welcome to the Fall 2018 section of Math 1113, Precalculus. The course is designed to offer a broad introduction to the topics necessary to succeed in calculus. We will examine a range of issues from the definition of function, exponential and logarithmic functions, and trigonometric functions. The goal is not to solve particular equations. Our goal is to understand the different techniques and approaches.

Course No. 36903	*Course No. 15230*	*Office Hours:*
T/R 9:30am – 10:45am	T/R 11:00am – 12:15pm	Tuesday 12:30pm – 1:30pm
Forestry 4, 516	Life Sciences, B118	Wednesday 10:00am – 12:00pm

Textbook: *Precalculus*, by Julie Miller and Donna Gerken, McGraw Hill (ISBN: 978-1-30-700456-4). A special edition for UGA is available at a reduced rate. You will need access to the *ALEKS 360* homework system which is included with the UGA edition of the book. I will send out a financial aid code for two weeks of *ALEKS* access while you decide whether or not to take the course.

Description: Preparation for calculus, including an intensive study of algebraic, exponential, logarithmic, and trigonometric functions and their graphs. Applications include simple maximum/minimum problems, exponential growth and decay, and surveying problems.

A central idea is the definition of functions including the ability to work the range and domain of a function as well as the inverse. You should be able to work with exponential and logarithmic functions, be able to solve equations with exponents, and know the relationship between the exponential and logarithmic functions. You should be able to work with the definitions of the trigonometric functions, the unit circle, and be able to work with the inverses of the basic trigonometric functions.

Course Goals: Be able to define functions that describe various physical phenomena. Be able to manipulate relationships to isolate particular quantities of interest. Demonstrate a working knowledge of the domain and range of a function and the relationship between the range and domain.

Attendance: Students who have more than three unexcused absences will be withdrawn from the course with a grade of W before the midpoint of the term. After the midpoint for the term the grade will be an F. If you repeatedly leave class early or arrive late it may be counted as an absence.

Announcements: You are responsible for all announcements made in class regardless of your attendance.

Correspondence: If you would like to contact me, please use my UGA email address abm41450@uga.edu *from your UGA email address.* I do my best to return all emails quickly. If I have not responded to your email within 48 hours, please assume I did not receive the email and try sending it again.

Homework: Homework will be assigned throughout the course, some on *ALEKS* and some on paper. You will have an account set up on *ALEKS*. You will find a link to *ALEKS* from the course ELC web page. If you have a problem with the website please make use of the help resources at *ALEKS*. *I will email you a financial aid code for two weeks of ALEKS access while you decide whether to continue with the course.*

Grading: The final grades are calculated using the following distribution:

3 In-Class Tests	45%
Homework	15%
Quizzes and Activities	10%
Basic Skills Tests	5%
Final Exam	25%

A	92%	C+	77%
A–	89%	C	72%
B+	87%	C–	69%
B	82%	D	60%
B–	79%	F	$< 60\%$

If your final exam is higher than your lowest exam score from the first three exams, then the lowest exam score will be replaced with the final exam score. This is only an option for students who maintain good standing in the course and maintain regular attendance, at the instructor's discretion.

Test Dates: Tests will take place at normal class time and are tentatively scheduled as follows:

September 13 October 11 November 15

Basic Skills Tests: In addition to written tests there will be basic skills tests that will take place in the Mathematics Department's testing center. These will be tests on *ALEKS*, and the focus is on calculations and basic ideas. There will be four rounds of tests. In each round there will be two tests, and your grade for each round will be the higher of the two grades. The dates for these tests will be announced in class.

Calculator Policy: The recommended calculator for the course is the TI-30xs. It is available at the book store, many retail outlets, and many on-line sites. You may not use a calculator that can perform any basic algebra steps. *You may use any calculator in class but may only use approved calculators on quizzes or tests.*

Make up Policy: The right to miss a scheduled exam and take a make up exam can be awarded only by your instructor, and will be awarded rarely and only for a serious cause. *Do not count on being able to make up a test until you have explicit permission from your instructor.* If for some reason you must miss an exam, you must apply in writing *before* the exam.

Late Submission: If you submit work after a deadline without obtaining permission then you will not receive any credit for the assignment.

Grading Issues: Questions about grading of any work should be submitted to your instructor within one week of the return of the work.

Quizzes: In-class quizzes can be announced or unannounced. A student who is late for a quiz will not receive additional time.

Electronics: Use of cell phones and other electronic devices is limited to relevant academic use. If a student misuses an electronic device, they will be asked to put it away. Repeated or consistent use of electronic devices for irrelevant or nonacademic reasons, or use that subtracts from the learning atmosphere, will result in the student's dismissal from the class meeting.

Academic Accommodations: If you require any kind of special accommodation please see your instructor. Requests for academic accommodations should be made as soon as possible and at least one week prior to a graded activity to insure that we provide the proper resources. Students must register with the Disability Resource Center, to verify their eligibility for appropriate accommodations.

Academic Integrity: 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.

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