

Math 1113-10 Precalculus Fall 2015

Instructor: Dr. David Leach
Location/Time: MWF 1:00-1:52 PM, 305 Boyd
R 9:30-10:22 AM, 303 Boyd
Office: 317 Boyd
Phone: (678)839-4127
Email: cleach@westga.edu
Textbook: Optional: *Precalculus*, 5th Edition, by Blitzer.
Online Service: You will need a MyMathLab account.

MyMathLab: We will use Pearson's MyLab and Mastering (also referred to as MyMathLab) for homework and quizzes. To create an account, go to <http://www.pearsonmylabandmastering.com/> or <http://mymathlab.com>. To activate your account you will need the following:

1. The course ID for this section of MATH 1113, which is leach69499
2. A credit card OR MyMathLab student access code (available at the UWG Bookstore).

The MyMathLab account includes an online version of the textbook.

Course Description: This course is designed to prepare students for calculus, physics, and related technical subjects. Topics include an intensive study of algebraic and transcendental functions accompanied by analytic geometry. Credit for this course is not allowed if the student already has credit for MATH 1634.

Learning Outcomes: Upon successful completion of the course, you will have an understanding of . . .

1. functions and how to graph functions
2. operations on functions including function composition
3. polynomial and rational graphs, including intercepts and asymptotes
4. how to find the zeros of a polynomial and how to factor polynomials
5. inverse functions and how to find them graphically and algebraically
6. the properties of exponential and logarithmic equations
7. how to solve exponential and logarithmic equations
8. how to find the values of the trigonometric functions from right triangles and circles
9. how to graph the trigonometric functions
10. how to prove trigonometric identities
11. how to use the sum, difference, double-angle and half-angle formulas for sine and cosine
12. how to solve triangle using the law of sines and law of cosines
13. polar coordinates and graphs
14. how to analyze and solve applied problems

Grading and Evaluation: There will be four in-class tests, online quizzes through MyMathLab, and a final exam. **Tentative** test dates are September 16, October 8, October 30, and November 19.

Each test is out of a possible 100 points, the online quiz average will be scaled to be out of 100 points, and the final exam is out of 150 points. Your average will be computed by adding your three best test scores, quiz average, and final exam score together, dividing by 5.5, and rounding to the nearest whole number. A letter grade will be assigned according to

90-100: A 80-89: B 70-79: C 60-69: D 0-59: F

Attendance: You are expected to attend all classes. If you miss a class, you are responsible for getting all information and materials that you missed.

Make-ups: In order to take a make-up test, you must have documentation from a medical doctor in the case of an illness or official documentation from a university official in the case of a university-sponsored event.

Homework: Homework will be assigned each day on MyMathLab. It is not graded, but it is important that you complete it.

Quizzes: We will have quizzes on MyMathLab. There will be roughly one quiz per week.

Calculators: You will need a calculator for this class. I recommend that you have a graphing calculator, but a scientific calculator will be sufficient. I recommend the TI-83 or 84 series of calculators. TI-89s, TI-92s, N-Spires, and other calculators that do symbolic manipulation will not be allowed on tests. Calculator apps for ipods and cell phones are not allowed on tests either.

Getting Help: MyMathLab has a lot of features that can help you learn the material. There are many other resources on campus that can help you with this class. They include ...

1. My office hours. Feel free to come to my office during office hours (listed on my schedule)
2. The Math Tutoring Center. Room 205 Boyd. No appointment needed, very informal.
3. Center for Academic Success. Room 200 UCC. Free one-on-one tutoring by appointment. 678-839-6280

Bonus & Extra Credit: Throughout the semester, I might assign a few bonus problems that could add points to your tests. Any such problems will be available to all students in the class. No individual extra credit will be assigned for any reason.

Other Course Policies: Other course policies, including information regarding students with disabilities and the UWG Honor Code can be found at <http://tinyurl.com/UWGSyllabusPolicies>. You should read this at the beginning of each semester.

Important Dates:

Last Day to Withdraw: Oct 14
Thanksgiving Break: Nov 23-27
Final Exam: Wed Dec 9, 11:00-1:30 pm

Dr. Leach Fall 2015

	MON	TUE	WED	THU	FRI
8:00 AM					
8:30 AM					
9:00 AM	Office Hour	Research	Office Hour		Office Hour
9:30 AM				1113	
10:00 AM	2853		2853		2853
10:30 AM					
11:00 AM	2853		2853	Office Hour	2853
11:30 AM					
12:00 PM	Lunch	Lunch	Lunch	Lunch	Lunch
12:30 PM					
1:00 PM	1113	Research	1113	Office Hour	1113
1:30 PM					
2:00 PM	Office Hour		Office Hour	Office Hour	
2:30 PM					
3:00 PM					Gym
3:30 PM					
4:00 PM	Gym		Gym		
4:30 PM					

Office Hours are also available by appointment