

**Math 171L WA**  
**Precalculus with Trigonometry (Q) 3 s.h.**

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**Course Description:**

Algebraic, trigonometric, logarithmic and exponential functions are explored. The main emphasis will be on developing trigonometric functions and their properties, since they play an indispensable role in the modeling of physical phenomena and in the study of calculus. Included is a software project on modeling and problem solving. *\*Prerequisite: MATH 159, or equivalent.*

**Textbook:** Precalculus, 9<sup>th</sup> Edition, by Ron Larson, published by Cengage Learning  
ISBN: 978-1-133-94901-5 (if you prefer the ebook, that is fine, you do not need the software)

**Course Learning Objectives:**

- In this course we will explore the properties of and uses for:
  - Trigonometry
  - Exponentials
  - Logarithmic functions
- You will have the opportunity to develop your own project, with guidance.

**Grading and Assessment:**

Your final grade will be based on the following components:

Homework:	30%
Project:	5%
Quizzes:	15%
Test 1-2	30%
Final Exam:	20%

Your final grade will be determined according to the following scale:

A ≥ 93	A- = 90 - 92		
B+ = 87-89	B = 83-86	B- = 80-82	
C+ = 77-79	C = 73-76	C- = 70-72	
D+ = 67-69	D = 63-66	D- = 60-62	F ≤ 59

**Assignments:**

I will not accept all of the assignments for the course at once. Assignments and due dates are posted on Canvas.

**Quizzes & Tests:**

Throughout the semester, there will be ten quizzes. The lowest quiz score will be dropped.

There will be three tests during the semester. They will be open book, open note, though it is important that you master the material otherwise the final will not go well.

**Final Exam:**

The final exam will only be available during the last week of the semester, you must take the final exam during this time.

**ET Policy:** I will consider ET requests for students with extenuating circumstances who have completed through test 2 by the last day of the semester. You **must** have the support of your advisor to request an ET. Remember: ETs are not automatic.

**Deadlines:** Late work will be subject to a late penalty. Tests and quizzes are **not** accepted more than one week late without permission. It is important to adhere to deadlines, especially those

coming before a test or quiz to allow sufficient time for you to receive feedback. A detailed schedule will be posted on Canvas.

Module	Contains	Week	Due (Fridays)
Intro	Chapter 1 Review Test Chapter 1 Quiz	1	May 29 <sup>th</sup> (deadline extended if you add late)
Chapter P	Homework 2.1 – 2.5	2	June 5
	Homework 2.6, 2.7, 3.1, 3.2 Chapter 2 Quiz	3	June 12
Chapter 1	Homework 3.3 – 3.5 Chapter 3 Quiz	4	June 19
	<b>Test 1</b>	<b>5</b>	June 26
Chapter 2	Enjoy the 4 <sup>th</sup> of July or work ahead	6	July 3
	Homework 4.1 – 4.5	7	July 10
Chapter 3	Homework 4.6 – 4.8, 5.1 Chapter 4 Quiz	8	July 17
Chapter 4	Homework 5.2 – 5.5 Chapter 5 Quiz	9	July 24
	Homework 6.1 – 6.5	10	July 31
Chapter 5	Chapter 6 Quiz Project	11	Aug 7
Chapter 6	<b>Final Exam (Test 2)</b>	12	Aug 14

### **Honor System:**

All academic work at Mary Baldwin is governed by the honor system. The honor system is what enables ADP students to complete exams at home and do college work outside a classroom.

Please read through the Honor Code here: <http://www.marybaldwin.edu/student/sga/honorcode/>

### **MBU E-mail Addresses:**

Emails from the course Canvas site go automatically to your MBU email address. Remember that all students are required to activate their MBU-issued e-mail accounts. All questions concerning the course must be sent via your MBU email address. Be sure to include “Math171” in the subject line.

Periodically throughout the semester, you will receive information about the course through your MBU email address. If you have questions about activating your email account or using the Canvas course site, please contact your instructor before the start of the semester.

For technical questions - Computer Help Desk at [support@marybaldin.edu](mailto:support@marybaldin.edu) or 540-887-7075 or <http://www.marybaldwin.edu/oit/help/>.