

# Math 159 WA

## College Algebra (Q) 3 s.h.

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### **Course Description:**

Students are provided with a background in algebra appropriate for the application of mathematics to other disciplines and for further study in mathematics. Topics include equations and inequalities, functions and graphs, polynomial and rational functions, exponential and logarithmic functions, and systems of equations. Emphasis is on logical analysis, deductive reasoning, problem solving and modeling. \*Prerequisite: MSAT 480 or MACT 20, or C- or higher in a Q course.

### **Textbook:**

College Algebra, 9<sup>th</sup> Edition, by Ron Larson, publisher: Cengage Learning  
ISBN-13: 978-1133963028 (if you prefer the ebook, or an earlier edition, that is fine)

### **Course Objectives:**

In this course you will:

- learn to recognize and read functions and data as graphs;
- gain a more full understanding of inequalities;
- become comfortable with linear equations and polynomials;
- be introduced to exponentials;
- and, gain an appreciation of algebraic thinking.

### **Grading and Assessment:**

Your final grade will be based on the following components:

Homework:	32%
Projects:	18%
Quizzes:	20%
Tests (3):	30%

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

A $\geq$ 930	A- = 900 - 920	
B+ = 870-890	B = 830-860	B- = 800-820
C+ = 77-79	C = 73-76	C- = 700-720
D+ = 670-690	D = 630-660	D- = 600-620
F $\leq$ 590		

*Please note that the course is built on 1000 points, so your final grade is calculated based on how many points you earn. If you earn 847 points, that is a B.*

### **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 eight quizzes.

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. If you feel ready to take the final exam early, please let me know and I will open it for you.

**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. Assignment details are posted on Canvas.

Tests have hard deadlines, everything preceding the test can be completed up until the due date of the test with a minimal late penalty.

**Tentative Course Schedule: Note the due dates may change slightly.**

Module	Contains	Week	Due (Fridays)
Intro	Quiz 1 Intro Discussion Board	1	May 29 <sup>th</sup> (deadline extended if you add late)
Chapter P	Homework P.1 – P.5 Quiz 2	2	June 5
Chapter 1	Homework 1.1 – 1.8 Quiz 3	3	June 12
	<b>Test 1 (chapters P and 1)</b>	<b>4</b>	June 19
Chapter 2	Homework 2.1 – 2.3 Quiz 4 Project 1	5	June 26
	Enjoy the 4 <sup>th</sup> of July or work ahead	6	July 3
Chapter 3	Homework 3.1 – 3.3 Quiz 5	7	July 10
Chapter 4	Homework 4.1 – 4.2 Quiz 6	8	July 17
	<b>Test 2 (chapters 2 – 4)</b>	9	July 24
Chapter 5	Homework 5.1 – 5.2 Quiz 7	10	July 31
Chapter 6	Homework 6.1 – 6.2 Quiz 8 Project 2	11	Aug 7
	<b>Final Exam (chapters 5 and 6) (Test 3)</b>	<b>12</b>	Aug 14

**Honor System:**

All academic work at Mary Baldwin College 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 "Math 159" in the subject line, and your full name.

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/>.