

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, MyLab Revision with Corequisite Support FIFTH EDITION

Judith A. Beecher, Judith A. Penna, and Marvin L. Bittinger

ebook ISBN-13: 9780135676028

With MyLab Math access

Please note there is a free 2-week trial access granted, but after that you will need to purchase access. The semester is 15 weeks long.

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.

Readiness Check:

There is a Readiness Check required for all students to take, to help you assess if you are ready for College Algebra. This is a required assignment that you must complete, although your score will not impact your grade (it is only graded based on completion).

Grading and Assessment:

Your final grade will be based on the following components:

Participation:	5%
Readings & Videos:	10%
Homework:	25%
Ch Review Quizzes:	20%
Tests (3):	30%
Cumulative Final Exam:	10%

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

A \geq 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 \leq 59		

Assignments:

The Chapter 0 Homework and Readiness Check are both required to be completed within the first week of the semester, or as soon as you register if you add the class late. There is an option to have a two week free trial period of the textbook and MyLab access so you can complete these two items before you purchase MyLab Math and the ebook. I highly recommend you do this option.

The Chapter 0 Homework is just to get you used to completing assignments on MyLab Math. There's no actual math involved, and this should take less than 10 minutes to complete.

The Readiness Check assesses your baseline mathematical knowledge. Likely, this will take about an hour. I will not accept all of the assignments for the course at once. Assignments and due dates are posted on Canvas and MyLab Math, as well as on the below schedule. I do allow late work, with permission, but I will not accept anything after Friday, August 20th unless you have an ET. There will be no exceptions to this policy. Most homework assignments should take about an hour, but they can be done in multiple sessions.

Quizzes & Tests:

Throughout the semester, there will be six quizzes, they are equally weighted and all count towards your final grade. Quizzes will usually take about 15 to 20 minutes, can be done in multiple sessions, and may be attempted more than once.

Throughout the semester, there will be a total of three tests, they are equally weighted and all count towards your final grade. You are only allowed one attempt per test, though you can do it in multiple sessions.

All tests and quizzes are open book/open note, but you may not consult another person or non-textbook website.

Incomplete Policy: I will consider Incomplete requests for students with extenuating circumstances. You **must** have the support of your advisor to request an Incomplete. Remember: Incompletes are not automatic. In order to qualify for an Incomplete, you must have completed everything assigned in the first two weeks of the semester.

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.

Course Schedule: *Note there is always an option to work ahead.*

Start Date	Module	Contains	Due (Sundays - 11:59pm)
Aug 30	Week 1	Readiness Check (take ASAP) Chapter 0 Homework	Sep 5
Sep 6	Week 2	Chapter 1 Skills Check Readings & Videos for 1.1 - 1.5	Sep 12
Sep 13	Week 3	Readings & Videos for 1.6 Chapter 1 Review Homework Chapter 1 Quiz Chapter 2 Skills Check Readings & Videos for 2.1-2.2	Sep 19
Sep 20	Week 4	Readings & Videos for 2.3 - 2.6 Chapter 2 Review Homework Chapter 2 Quiz	Sep 26
Sep 27	Week 5	Test 1 (Chapters 1 & 2)	Oct 3
Oct 4	Week 6	Chapter 3 Skills Check Readings & Videos for 3.1 - 3.5	Oct 10
Oct 11	Week 7	Chapter 3 Review Homework Chapter 3 Quiz Chapter 4 Skills Check	Oct 17

		Readings & Videos for 4.1-4.3	
Oct 18	Week 8	Readings & Videos for 4.4 - 4.6 Chapter 4 Review Homework Chapter 4 Quiz	Oct 24
Oct 25	Week 9	Test 2 (Chapters 3 & 4)	Oct 31
Nov 1	Week 10	Chapter 5 Skills Check Readings & Videos for 5.1 - 5.4	Nov 7
Nov 8	Week 11	Readings & Videos for 5.5 - 5.6 Chapter 5 Review Homework Chapter 5 Quiz	Nov 14
Nov 15	Week 12	Chapter 6 Skills Check Readings & Videos for 6.1 - 6.2 Chapter 6 Review Homework Chapter 6 Quiz	Nov 21
Nov 22	Week 13	Thanksgiving - nothing due	
Nov 29	Week 14	Test 3 (Chapters 5 & 6)	Dec 3 FRIDAY
Dec 6	Week 15	Cumulative Final Exam	Dec 10 FRIDAY

Other important deadlines:
 Drop without advisor approval:
 Drop with Advisor approval:
 Withdraw or change to P/NC: tbd

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/>

Accessibility Services:

Any student with documented accessibility needs who feels they may need academic accommodations while taking this course, should first contact Dr. Carey Usher, Associate Provost (cusher@marybaldwin.edu, 540-887-7064) or Accessibility@marybaldwin.edu.

The Academic Resource Center: The ARC is your one-stop-shop for writing, math, and all other subject and studentship tutoring. Residential students can meet with tutors virtually or face-to-face in the Center for Student Success, on the first floor of Grafton Library. Online and remote students can work virtually with tutors on papers, assignments, and test-taking strategies. Appointments are scheduled through TutorTrac (tutortrac.marybaldwin.edu). For more information, contact Dr. Carey Usher, Associate Provost (cusher@marybaldwin.edu, 540-887-7064) or ARC@marybaldwin.edu.

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 or the Canvas Mailbox. Other email addresses are often caught in my spam filter.

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@marybaldwin.edu or 540-887-7075 or <http://www.marybaldwin.edu/oit/help/>.