![Imperial Valley College logo]

IMPERIAL VALLEY COLLEGE

Basic Course Information

Semester:	Spring 2022	Instructor Name:	Allyn Leon
Course Title & #:	Math 098 Foundations of Algebra	Email:	allyn.leon@imperial.edu
CRN #:	20782	Webpage:	imperial.instructure.com
Classroom:	Real Time Online (Zoom)	Office #:	2760.2 (but home for now)
Class Dates:	02/14/2022 - 06/10/2022	Office Hours (Zoom):	Mon/Wed: 1:30pm to 2:00pm Tues/Thurs: 9:45am to 11:15am
Class Days:	Monday/Wednesday	Office Phone #:	760-355-6523
Class Times:	10:15am - 1:25pm	Emergency Contact:	Email me or call/text office phone
Units:	6	Class Format:	Real Time Online (RTOL)

Course Description

An introduction to the concepts of Algebra. Topics covered include linear and quadratic equations and their graphs; relations, functions and their graphs; polynomial and rational expressions and equations, logarithmic and exponential expressions and equations, radical expressions and equations. (Nontransferable, AA/AS degree only)

Course Prerequisite(s) and/or Corequisite(s)

None

Student Learning Outcomes

By the end of this course, given a problem or a set of problems, the student will demonstrate problem solving strategies by identifying an appropriate method to solve a problem, correctly set up the problem, perform the appropriate analysis and computation, and share their interpretation of the conclusion or the outcome, using correct grammar or in an oral presentation.

Textbooks & Other Resources or Links

Recommended Textbook: Developmental Mathematics, 1E by Blitzer, Pearson Publisher. The OPTIONAL textbook is available at the bookstore or online (ISBN: 978-0-13- 426833-0). If you purchase the MyMathLab access code, it comes with the e-book and There are also numerous online resources in Canvas.

Calculator: A basic calculator, like a TI-30 (costs around $10) is recommended, or you can go with a graphing calculator, like the TI-83 or TI-84, and there are also various FREE or Low-Cost apps that you can use instead; it really depends on what other math or science classes you plan on taking later on. You NEED a calculator of some sort to do the work on the tests.

Course Objectives

Upon satisfactory completion of the course, students will be able to:
1. Simplify polynomial expressions. Include use of factoring and simplifying using rules of exponents.
2. Simplify rational expressions
3. Simplify radical expressions. Include rationalizing the denominator.
4. Solve equations, including polynomial, rational, radical, exponential and logarithmic equations and linear inequalities.
5. Graph linear, quadratic, radical, exponential and logarithmic equations.

Course Requirements and Instructional Methods

Quizzes: Each unit (or module) has a set of specified skills to learn, along with study materials and "quizzes" to help you practice these skills. Each module has one quiz. Quizzes are your chance to practice, to make mistakes, to learn. Making mistakes is part of the process of learning math and is expected. There are an **unlimited** number of attempts on quizzes and these assignments will be available for the entirety of the course. There are due dates listed for each of these assignments to **help keep you on pace** to complete the class by the last day.

Exams: Each of the first three units will end with an exam on the skills covered. There are four main units. Material from the fourth unit will be included in the final. The exams are your chance to show you have learned the skills that your grade will be based on. You will **NEED** to submit your work for MOST problems, so make sure to review the rubric for each skill and show work that explains your solution. If you do not submit or upload work for your exam exercises I will not be able to verify the skill completed. Exam grades will "count" once the written work is graded. **How to show your work?** You will take pictures of the work you did and upload them into Canvas, or create a document that has the steps and upload that.

Note: Do not log out in the middle of an exam or your score will be automatically recorded. If you run into a problem with this, please contact me right away.

Out of Class Assignments: The Department of Education policy states that one (1) credit hour is the amount of student work that reasonably approximates not less than one hour of class time and two (2) hours of out-of-class time per week over the span of a semester. WASC has adopted a similar requirement.

Course Grading Based on Course Objectives

Your grade will be calculated based on the following items:

10 Quizzes in Canvas @ 10 points each (top 10 will count)	100 points	~20%
Four Exams in Canvas @ 100 points each	400 points	~80%
Total	*500 points*	*100%*

Your final grade will be based on the following points and percentages:

90% to 100%	450-500 points	A
80% to 89%	400-449 points	B
70% to 79%	350-399 points	C
60% to 69%	300-349 points	D
Below 60%	Below 300 points	F

The **Canvas Gradebook** is where you want to go to check your grades and progress. You can do this at any time to get an idea of how you are doing in the class.

Course Policies

- A student who fails to attend the first meeting of a class or does not complete the first mandatory activity of an online class will be dropped by the instructor as of the first official meeting of that class. Should readmission be desired, the student's status will be the same as that of any other student who desires to add a class. It is the student's responsibility to drop or officially withdraw from the class. See General Catalog for details.
- Regular attendance in all classes is expected of all students. A student whose continuous, unexcused absences exceed the number of hours the class is scheduled to meet per week may be dropped. For online courses, students who fail to complete required activities for two consecutive weeks may be considered to have excessive absences and may be dropped.
- Absences attributed to the representation of the college at officially approved events (conferences, contests, and field trips) will be counted as 'excused' absences.
- *Attendance in an online class is more than just logging in*
    - o   You will need to make sure that you log in and check announcements regularly
    - o   There are weekly readings and assignments that need to be done in a timely manner
    - o   There will be exams completed online in MyMathLab as well
    - o   **The Syllabus Quiz is based on the syllabus and counts as an attendance check for the first week**
    - o   **The Syllabus Quiz is due by 11:59 pm on Thursday, 02/17/2022**
    - o   **If you do not complete the Syllabus Quiz on time, you will be dropped from the class**

Other Course Information

Last day to add the class: Saturday 02/26/2022
Last day to withdraw from the class with a "W": Saturday 05/14/2022

IVC Student Resources

IVC wants you to be successful in all aspects of your education. For help, resources, services, and an explanation of policies, visit http://www.imperial.edu/studentresources or click the heart icon in Canvas.

Anticipated Class Schedule/Calendar

Date or Week	Activity, Assignment, and/or Topic	Assignment Dates
Week 1 Feb 14 - Feb 20	Orientation/Syllabus Quiz **(DUE THURSDAY 2/17)**, Module 0	Syllabus Quiz
Week 2 Feb 21 - Feb 27	Linear Equations and Inequalities in 1 Variable, Module 1 Sections 8.1, 8.2, 8.3, 8.4 & 8.7	Quiz 1
Week 3 Feb 28 - Mar 6	Linear Equations in 2 Variables, Module 2 Sections 9.1, 9.2, 9.3, 9.4, & 9.5	Quiz 2
Week 4 Mar 7 - Mar 13	Exponents and Polynomials, Module 3 Sections 11.1, 11.2, 11.3, 11.4, 11.6, & 11.7	Quiz 3
Week 5 Mar 14 - Mar 20	Review for Test 1 Test 1	Test 1 available in Canvas from 3/14 to 3/20
Week 6 Mar 21 - Mar 27	Factoring Polynomials, Module 4 Sections 12.1, 12.2, 12.3, 12.4, 12.5, & 12.6	Quiz 4
Week 7 Mar 28 - Apr 3	Rational Expressions Part 1, Module 5 Sections 13.1, 13.2, & 13.3	Quiz 5
Week 8 Apr 4 - Apr 10	Rational Expressions Part 2, Module 6 Sections 13.4, 13.5, & 13.6	Quiz 6
Week 9 Apr 11 - Apr 17	Review for Test 2 Test 2	Test 2 available in Canvas from 4/11 to 4/17
Week 10 Apr 18 - Apr 24	SPRING BREAK	SPRING BREAK
Week 11 Apr 25 - May 1	Basics of Functions, Module 7 Sections 14.1, 14.2, 14.3, & 14.4	Quiz 7
Week 12 May 2 - May 8	Inequalities, Module 8 Sections 15.1, 15.2, 15.3, & 15.4	Quiz 8
Week 13 May 9 - May 15	Radicals and Radical Functions, Module 9 Sections 16.1, 16.2, 16.3, 16.4, 16.5, 16.6, & 16.7	Quiz 9
Week 14 May 16 - May 22	Quadratic Equations and Functions, Module 10 Sections 17.1, 17.2, & 17.3	Quiz 10
Week 15 May 23 - May 29	Review for Test 3 Test 3	Test 3 available in Canvas from 5/23 to 5/29
Week 16 May 30 - June 5	Exponential and Logarithmic Functions, Module 11 Sections 18.1, 18.2, 18.3, & 18.4	Quiz 11
Week 17 June 6 - June 10	Review for the Final Final Exam	Final available in Canvas from 06/06 - 06/10

The SYLLABUS QUIZ IS DUE BY THE END OF THE DAY, 11:59 PM, ON THURSDAY 02/17/2022. IF THE SYLLABUS QUIZ IS NOT COMPLETED BY THEN, YOU WILL BE DROPPED FROM THE CLASS.