

Compton College
Math 80-Hybrid-Summer 2019
Course Syllabus

Vision

El Camino College Compton Center and the future Compton College will be the leading institution of student learning and success in higher education.

Mission Statement

El Camino College Compton Center and the future Compton College is a welcoming environment where the diversity of our students is supported to pursue and attain academic and professional excellence. Compton Center promotes solutions to challenges, utilizes the latest techniques for preparing the workforce and provides clear pathways for transfer, completion and lifelong learning.

Course Information

Professor: *Dr. Malinni Roeun*

Course: Math 80, Intermediate Algebra for STEM

Course Dates: 6/17/18 – 8/08/2019

Section: # 50159, **M & TH- 10:15 am- 12:05 pm, Room:** MS-210

Office Location: MS-204, (310) 900-1600 Ext. # 2427

Office Hours:

Monday & Thursday, 9:15am - 10:15am

Email: mroeun@elcamino.edu

Textbook: Intermediate Algebra (Cust) by McKeague, XYZ textbooks. ISBN13: 9781630980719

***In our course, we will be using the online homework components that is bundled with your textbook.

XYZ Course ID# 19886

Prerequisite: Math 40 or Math 43 with a minimum grade of C in prerequisite or qualification by testing (ECC Math Placement Test) and assessment.

Course Description: This intermediate algebra course is designed for students who are considering further study in the sciences, technology, engineering, or mathematics. In the context of studying a large library of basic functions and their graphs, students strengthen and expand their algebra skills. The library includes linear, quadratic, polynomial, rational, radical, exponential, and logarithmic functions, as well as inverse functions and the absolute value function. Particular emphasis is placed on the operations on functions, as well as solving equations and inequalities. Other topics include solving systems of equations, operations on complex numbers, and applications.

Note: Mathematics 80 serves as a prerequisite course for all transfer-level mathematics course sequences, including Math 130, the calculus sequence (Math 170, 180, 190, 191 and 220).

Course Objectives and Methods of Evaluation:

Course Objectives:

1. Carry out numerical operations and manipulate algebraic expressions, including expressions with rational and negative exponents, complex numbers, and logarithms.
2. Recognize functional relationships in the form of graphs, data or symbolic equations.
3. Solve problems involving a variety of function types, including linear, quadratic, polynomial, rational, radical, exponential, and logarithmic functions.
4. Graph a variety of functions and relations and draw connections between these graphs and solutions to problems.

5. Solve a variety of equations and inequalities, as well as systems of equations and inequalities, using algebraic and graphical methods. Types of equations include linear, quadratic, polynomial, rational, radical, exponential and logarithmic equations.
6. Using numerical, symbolic and graphical methods, model application problems, solve them and interpret the results in the context of the problem.

SLO Statements: Upon successful completion of this course, a student will be able to:

1. Application Problems:

Students will be able to solve application problems involving linear, quadratic, polynomial, rational, radical, exponential and logarithmic functions.

2. Solving Equations and Manipulating Expressions:

Students will be able to evaluate numerical operations and manipulate algebraic expressions involving rational and negative exponents, radicals, complex numbers, exponents and logarithms and be able to solve linear, quadratic, polynomial, rational, radical, absolute value, exponential and logarithmic equations and inequalities.

3. Visual and Graphical Methods:

Students will be able to use visual and graphical methods to represent, analyze and solve problem involving linear, quadratic, polynomial, rational, absolute value, radical, exponential, logarithmic functions, conic sections, linear and nonlinear systems of equations. Students will also be able to solve such functions and equations using graphical methods.

4. Articulating Mathematical Reasoning:

Students will be able to explain verbally, both orally or in writing, and the mathematical reasoning used in an application problem involving linear, quadratic, polynomial, rational, radical, absolute value, exponential and logarithmic equations and inequalities.

Methods of Evaluation:

Attendance:

Students with **THREE consecutive absences MAY be dropped** from the class! Any student who misses two exams will be dropped from the class. Excessive absent, 10% of the semester, MAY be dropped. Students are responsible for any material/announcements missed in class regardless of their presence including being aware of your status in the class. You are expected to be present on time at all class meetings and to actively participate! You are expected to be at all class meetings on time!! Taken this class seriously is the first step to your success. **Students will not be permitted to attend classes in which they are not enrolled.**

Withdrawal from the class through the Admissions Office is the student's responsibility. If you have any concerns regarding your attendance, please contact me immediately via email, telephone or during my office hours.

Academic Integrity:

Students are responsible to inform themselves of College policies regarding the Code of Academic Integrity <http://www.elcamino.edu/administration/board/boarddocs/5500%20%20Academic%20Honesty.pdf>. Any incident of cheating will be brought to the immediate attention of the Academic dean and appropriate actions will be taken including receiving an F grade for the course. A report will be filed with the Campus Disciplinary. CHEATING WILL NOT BE TOLERATED!

Calculator:

Scientific Calculator is allowed (Recommend TI-80's series). No cell phones use will be allowed in class! Cell phones must be completely off otherwise you will be asked to leave the class and one absence will be granted to you. Cell phones may not be used as calculators!!

Homework:

Success in any math class is dependent upon completing and understanding all assignments. Most homework will be given on-line. The work you need to do to complete your on-line homework should be neatly written in your notebook together with the title, section and the grade you earn. Absolutely no late homework will be accepted! It is the student's responsibility to obtain the assignment during an absence.

Class work:

You will often be given class work and it may be collected at any time during class. No makeup work is possible for missed class work.

Quizzes:

There will be 9 online quizzes. There are no make-ups on quizzes.

Notebooks:

Notebook# 1 This is for taking notes from lecture, videos, and in class activities etc.

Notebook#2 All online homework/Quiz will be done in a "ONLINE HW & QUIZ" notebook neatly and organized by the chapter, date, and section title. It will be collected on the day of the exam.

Exams:

There will be Three (3) exams and a comprehensive final at the end of the 8 weeks semester. No make-up exams will be given but your final exam will only replace one missed exam. Contact me immediately if you miss an exam. Students who miss more than one exam will be dropped from the class. *Tentative* exam dates are noted on the Class Schedule at the end of this syllabus.

Students with Special Needs ADA:

Students with disabilities who believe they may need accommodations in this course are encouraged to contact the Special Resource Center Ext# 2405 at Vocational technology Bldg. Room# 226B as soon as possible to better ensure such accommodations are implemented in a timely fashion. As well, please contact me privately to discuss your specific needs.

Keys to success:

It is expected that students spend a minimum of at least four (4) hours outside of class for each hour spent in class. Spending more time on material from class and explaining concepts to other students in class is an excellent way of achieving success. Active participation is very important. Ask questions, answer questions, talk to other students in class, form study groups outside of class, and always remember to ponder beyond what we discuss in class! Next, remember to keep an open mind. A big part of learning and understanding mathematics is believing that you are capable of succeeding. Always remember to have fun!!

Students will be assessed through class participation, their performance on exams, quizzes, and assignments. The completion of the assignments will prepare you for each quiz/exam. You are expected to complete each assignment by the next class meeting so that you are ready to ask questions in class. You should see me for assistance as soon as an exercise is not understood, but not without first seriously attempting to do the problem on your own. It is highly recommended that you also take advantage of the various tutoring services offered on campus. It is your own responsibility to have an interest in your education.

I look forward to a Wonderful Summer 2019!

Grades:

Attendance 50 points
HW Notebook 40 points
Exams (3): 100 points each
Online Quiz (9 quizzes) 180 points
Homework (on-line) 168 points
Final Exam: 150 points
Grading Scale: **A** = 90 - 100%; **B** = 80 - 89%; **C** = 70 - 79%; **D** = 60 - 69%; **F** = under 60%

My scores record

<i>Exams</i>	<i>Scores</i>	<i>HWbk</i>	<i>Scores</i>	<i>Date</i>	<i>Extra credit</i>
<i>#1</i>	<i>/100</i>	<i>#1</i>	<i>/10</i>		
<i>#2</i>	<i>/100</i>	<i>#2</i>	<i>/10</i>		
<i>#3</i>	<i>/100</i>	<i>#3</i>	<i>/10</i>		
		<i>#4</i>	<i>/10</i>		
<i>Final</i>	<i>/150</i>				

Last Day to Add (Full Semester Classes) is Monday, June 24th, 2019
Last Day to Drop and be Eligible for a Refund is Monday, June 24th, 2019
Last day to drop with a "W" is Thursday, July 25th, 2019

Math 80 – Summer 2019
Tentative Class Schedule
Dr. Roewn

	Monday	Day 1	Day 2	Thursday	Day
Week 1 6/17 – 6/21	Syllabus, introduction to XYZ Homework. 1.1, 1.2, 1.3	1.4	1.5	1.6, 1.7, 2.1	2.2
Week 2 6/24 – 6/28	2.3, 2.4, 2.5	2.6	2.7	Exam#1 (Chps 1&2)	3.1
Week 3 7/1 – 7/4	3.5, 3.6, 3.7	4.1	4.2	4.3, 4.4, 4.5	4.6
Week 4 7/8 – 7/12	4.7, Exam#2 (Chps 3&4)	5.1	5.2	5.3, 5.4, 5.5	5.6
Week 5 7-15 – 7/19	5.7, 5.8, 5.9	6.1	6.2	6.3, 6.4, 6.5	6.6
Week 6 7/22 – 7/26	Exam#3 (Chps 5 & 6)	7.1	7.2	7.3, 7.4, 7.5	7.6
Week 7 7/29 – 8/2	8.1, 8.2, 8.3	8.4	8.5	8.6, 9.1, 9.2,	9.4
Week 8 8/5 – 8/8	9.4, Final Review	Final Review	Final Review	Accumulative Final Exam	

Commented [MR1]:

Last Day to Add (Full Semester Classes) is Monday, June 24th, 2019
Last Day to Drop and be Eligible for a Refund is Monday, June 24th, 2019
Last day to drop with a “W” is Thursday, July 25th, 2019