

Compton College

Math 73 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 73, Intermediate Algebra (for Gen Ed.)

Course Dates: 6/17/19 – 8/8/2019 (8wks Course)

Section: # 50155, **Monday & Thursday, 12:30pm- 2:20pm, Room: MS-211**

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# 19885

Prerequisite: Mathematics 40 or Mathematics 43 with a minimum grade of C or qualification by testing (El Camino College Mathematics Placement Test) and assessment.

Credit: Degree applicable

Course Description: This intermediate algebra course is designed for students who are not considering further study in the sciences, technology, engineering, or mathematics. In the context of studying basic functions and their graphs, students strengthen and expand their algebra skills. Functions studied include linear, quadratic, polynomial, rational, and radical functions, as well as the absolute value function. Particular emphasis is placed on the operations on functions, solving equations and inequalities, as well as using functions to model real life situations. Other topics include solving systems of equations and applications.

Note: Mathematics 73 serves as a prerequisite course for all transfer-level mathematics course sequences, *except the STEM and Business calculus sequences (Mathematics 130, 160, 165, 170, 180, 190, 191, and 220).*

Course Objectives:

1. Carry out numerical operations and manipulate algebraic expressions, including expressions with rational and negative exponents.
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 and radical functions, as well as the absolute value function.
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 and radical equations, as well as absolute value 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 recognize and apply appropriate mathematical concepts and models involving a variety of functions to contextualized problems (authentic, real-world applications).
- 2) **Solving Equations and Manipulating Expressions:** Students will be able to symbolically (algebraically) solve a variety of equations, inequalities and linear systems and manipulate symbolic (algebraic) expressions that arise in contextualized problems.
- 3) **Visual and Graphical Methods:** Students will use visual and graphical methods to represent, analyze and solve contextualized problems.
- 4) **Articulating Mathematical Reasoning:** Students will be able to articulate the mathematical reasoning used in solving a variety of contextualized problems, both orally and in writing.

Methods of Evaluation:

Attendance: Attendance will be taken every class session and you must log onto Canvas

<https://elcamino.instructure.com/login/saml> at least **twice a week which will count as your attendance**.

Students with **two consecutive absences MAY be dropped** from the class! Any student who misses two exams will be dropped from the class. 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.

*****More on Attendance Policy** – The Attendance Policy as stated in the Catalog is as follows: Students whose absences exceed 10% of the scheduled class meeting time may be dropped by the instructor (for a 3 or 4 unit course – 10% is approximately 3 classes). However, students are responsible for dropping a class within the deadlines published in the class schedule. 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!**

Calculators:

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 7 online quizzes. There are no make-ups on quizzes once they are due.

Notebooks:

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

Notebook#2: All online homework will be done in a 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 at 310-900-1600 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:

Weekly Discussion Board/attendance	32 points
HW Notebook	40 points
Exams (3):	100 points each
Quizzes (Online)	70 points
Homework (on-line)	129 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>
#1	/100	#1	/10		
#2	/100	#2	/10		
#3	/100	#3	/10		
Final	/150	#4	/10		

Math 73 – Summer 2019

Tentative Class Schedule; Dr. Roewn

	Day 1	Monday	Day 2	Thursday	Day 3
Week 1 6/17 – 6/21	Log into Canvas and Post Bio	Icebreaker, syllabus, introduction to XYZ Homework. 1.1, 1.2	1.3	1.4, 1.5, 1.6	1.7
Week 2 6/24 – 6/28	2.1	2.2, 2.3, 2.4		2.5, 2.6, Review	Review for Exam
Week 3 7/1 – 7/4	Review for Exam	Exam#1 Q#1 & 2, HW Due	3.1	3.5, 3.6, 4.1	4.2
Week 4 7/8 – 7/12	4.3	4.3, 4.4, 4.5	4.7	Exam#2 Q#3 & 4, HW Due	5.1
Week 5 7-15 – 7/19	5.2	5.2, 5.3, 5.4	5.5	5.5, 6.1, 6.2	6.3
Week 6 7/22 – 7/26	6.4	6.5, 7.1 Review for Exam#3		Exam#3 Q#5 & 6, HW Due	7.4
Week 7 7/29 – 8/2	7.5	7.6, 7.7		9.1 and Review for Final	
Week 8 8/5 – 8/8	Review for Final	Final Exam Q# 7, HW Due		Final Exam Q# 7, HW Due	

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