The textbook for this course is *Intermediate Algebra*, 5th edition by Tussy & Gustafson. **Bring your book to class;** we will be working problems from the book in class. **Read the textbook.** I do not necessarily cover in class all the material for which you are responsible, so you must read the textbook. In addition to the textbook, you will need a cheap ($10 - $15) scientific calculator. More details will be given in class.

**ATTENDANCE**

Attendance is taken at every class meeting. Regular attendance is necessary for optimum performance. Each class will begin and end at the time scheduled. Being late and/or attempting to leave early is rude and disruptive to the class. Not only should you be physically present during the class but you should be ready to learn. Students are responsible for all information given in class (changes in homework, test dates, etc.) and all material covered in class, even if they were absent from class. Any student missing 3 class meetings risks being dropped from the class.

**OFFICE HOURS**

My office hours are listed at the top of this page. These are times when I can give you individual attention. This time can be used to work tricky homework problems, explain difficult topics, discuss course progress, or address other course concerns.

**EXAMS**

There will be 5 exams given during the semester. The exams will be administered during class and the tentative dates are: Thursday Feb.11, Thursday March 3, Thursday March 31, Thursday April 21, and Thursday May 12. If you miss an exam, you may take a make-up exam near the end of the semester, after the drop day. The day of the make-up exams is chosen at the instructor’s convenience, not the students’. The day planned for make-up exams is Friday May 6, but this may change. It is highly recommended that you do not miss an exam unless you are seriously ill.
**HOMEWORK**  
Math is not a spectator sport. Homework assignments will be given for each section covered. It is assumed that you have completed the homework problems by the class session after the one in which the material was presented. Homework problems are not usually discussed in class. If you have questions about the homework, come and see me during office hours. That is the purpose of office hours. Most homework is not collected. However, from time to time, during the semester, special homework problems, or perhaps projects, will be assigned. These assignments WILL be collected and graded. It is your responsibility to make sure that you get a copy of such assignments in a timely manner. Being absent on the day when one such activity is handed out is not an excuse for not doing the assignment or for turning it in late.

**GRADING**  
Each exam is worth 135 points. The special homework assignments will be worth a total of 75 points (a bit more than \( \frac{1}{2} \) of a test grade). There will be a total of 750 points for the entire semester. (However, if I decide to assign more or less special homework than anticipated, I reserve the right to change this total.) The semester grading scale will be:

- 90% - 100%  
- 80% - 89%  
- 70% - 79%  
- 60% - 69%  
- 0% - 59%  

A  
B  
C  
D  
F

**TUTORING**  
Tutors are available in this building (MBA) in room 119 for extra help. A schedule of times is posted. The tutors can help you best if you have tried to work the problems and have specific questions. You are encouraged to seek out extra help whenever necessary in the tutoring room. Many students routinely work on their homework in the tutoring room, asking for help from the tutors when (and if) they need it.

Tutoring is also available on other areas of campus (for free) or from private tutors (for money). If you qualify, EOPS provides tutoring. There is also tutoring in the Learning Resource Center in the campus library. Private tutors advertise in various locations on campus. I have no idea of the quality or expense of these tutors. I personally would not use them until I had tried all of the free help which is available.

There is also free online tutoring available through NetTutor. More information is on the flyer on the next page as well as on my webpage.
Do you need help with your homework?

NetTutor® is a comprehensive online tutoring service. This service is free to El Camino College students to provide assistance with homework and assignments in a variety of disciplines.

How to Access Net Tutor®:

1. Open browser and type the following address:
   www.nettutor.com/ecc
2. In left column, click on “Register Now”
3. Enter your registration information. Be sure to use your El Camino College email address to register
4. Go to your email account to find your password
5. Go back to www.nettutor.com/ecc
6. Type in the User ID created in Step 3 and the password that was emailed to you
7. Scroll to the bottom of the page and click “Accept” to agree to a standard End User Licensing Agreement

You will now see a list of the tutoring groups you may access. Select the appropriate group and you are ready to begin!

For students with questions regarding online tutoring, call the Learning Resources Center at 310-660-3511, or send an email to tutoringinfo@elcamino.edu

For faculty who would like to schedule an online tutoring demonstration for a class, contact Sheryl Kunisaki by phone at 310-660-3593, extension 6121 or by email at skenisaki@elcamino.edu

NetTutor® is a service of Link-Systems International, Inc. (www.link-systems.com). LSI has been serving the academic community since 1995 as an eLearning services and technology company dedicated to student success.

The El Camino Community College District is committed to providing equal employment and educational opportunity in which no person is subjected to discrimination on the basis of ethnic group identification, national origin, religion, age, sex, race, color, ancestry, sexual orientation, physical or mental disability, or retaliation.
OTHER HELP

Also on the first floor of this building, in MBA 115, there are computers with software that can help you study for this class. You can get more information in the lab. The lab hours will be posted on the door to the lab.

The campus bookstore (as well as other bookstores) has an assortment of supplementary books on math. There are books on solving word problems, books on general study habits, and books specific to math at the intermediate algebra level. I have not read all of these books and so can not tell you which are useful and which are not, but you can probably tell something about them after thumbing through them for a few minutes.

MISCELLANY

Please turn off cell phones while you are in class. If you absolutely must have your phone turned on, set it to vibrate instead of ring. Do not answer your phone in the classroom. On the days of the big exams be prepared to sit for 2 1/2 hours. Please plan ahead; bathroom breaks (during exams) are not allowed except in case of illness (and if you are ill, you probably should not be taking an exam).

ACCOMMODATIONS

It is the policy of the El Camino Community College District to encourage full inclusion of people with disabilities in all programs and services. Students with disabilities who believe they may need accommodations in this class should contact the campus Special Resource Center as soon as possible. This will ensure that students are able to fully participate. As well one may contact the instructor privately to discuss your specific needs. The Special Resource Center is located in the southeast wing of the Student Services Center, (310) 660-3295. More guidelines for students with disabilities may be found on page 27 of 2015-2016 College Catalog or may visit their website at www.elcamino.edu/academics/src .”

ACADEMIC HONESTY

El Camino College places a high value on the integrity of its student scholars. When an instructor determines that there is evidence of dishonesty in any academic work (including, but not limited to cheating, plagiarism, or theft of exam materials), disciplinary action appropriate to the misconduct as defined in BP 5500 may be taken. A failing grade on an assignment in which academic dishonesty has occurred and suspension from class are among the disciplinary actions for academic dishonesty (AP 5520). Students with any questions about the Academic Honesty or discipline policies are encouraged to speak with their instructor in advance.
Math 80 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. This 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 the calculus sequence (Mathematics 170, 180, 190, 191 and 220).

Course Objectives:  (These are representative, not exhaustive.)

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 functions, 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 radical 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:    (These are representative, not exhaustive.)

SLO #1 Application Problems
Students will be able to solve application problems involving linear, quadratic, polynomial, rational, radical, exponential and logarithmic functions.

SLO #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.

SLO #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.

SLO #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.