

Math 103—Fall 2017

Intermediate Algebra

Instructors: Simon Temmerman
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Online MyMathLab.com—FCCmath.com—Canvas

Section 1	Daily—12:00-12:50—OAB 274—CN 29872	Office Hours S-11	T-Th 11:30-12pm, 1-2pm
Section 2	MWF—10:00-11:25am—OAB 274 — CN 29782		MF 2:30-3:00pm
Phone Ext	8028	GRASP S60A	F 9:00-10:00am

Prerequisites: Math 201 with a grade of "C" or better, or Math Placement equivalent.

Text: *Elementary & Intermediate Algebra*, Fresno City College 2nd edition (with MML)
 Online 4th edition
 Author: George Woodbury

Online Access: My Math Lab is **required**. Sold with textbook or seperately.
 If it is not purchased by the end of week 4, you are subject to being dropped from the class. Registration closes at the end of week 4.

Mathematics 103 is a college level Algebra course which progresses at an intensive pace. The course is **five** units; therefore eight to twelve hours of homework is to be expected each week. Lecture is an integral part of the course and you are expected to keep up in order to perform well on tests and quizzes. The following topics will be covered:

Chapter 8 → Linear Equations and Absolute Value	Chapter 11 → Functions
Chapter 9 → Radical Expressions and Equations	Chapter 12 → Logarithmic and Exponential Functions
Chapter 10 → Quadratic Equations	Chapter 13 → Conic Sections
Appendix A-2: Matrices	Chapter 14 → Sequences and Series

Grading

Grading will be based on exams, quizzes, and homework. Exams will cover roughly one to two chapters, with the exception of the final; the final exam will be cumulative. Grading is as follows:

Scale (minimum %)	A → 90	B → 80	C → 70	D → 60	F → 0
Points Distribution	Exams → 55%	Quizzes → 10%	Homework → 15%	Final Exam → 20%	

Homework and Quizzes

Homework and Quizzes are is to be completed at MyMathLab.com. When a section is complete, HW and Quizzes are due the next class session day at midnight. No LATE HW or Quizzes will be accepted. Homework requires a minimum score of 60% in order to be able to take the quiz. Twice during the semester I will open up every HW assignment and Quiz at which time you can make up any HW assignment or Quiz. At the end of the semester, I will drop the lowest 5 HW assignments and the lowest 5 Quizzes.

Course Objectives — SLO

Upon successful completion of the course, the student will be able to:

1. Use a variety of factoring techniques to simplify and solve polynomial and rational expressions (SLO 1)
2. Solving equations in intermediate algebra with an emphasis in absolute values, exponentials, logarithmic, conic sections, radicals, and quadratics. (SLO2)

3. Graphing equations in intermediate algebra. (SLO 3)
4. Solve operations with complex numbers(SLO 4)
5. Use the properties, notation, and formulas for sequences and series.(SLO 5)

Attendance

Any students absent for a total of eight or more class hours in the first 3 weeks is **subject** to instructor drop. In general, dropping the course is **your** responsibility and you should never assume that you will be automatically dropped; if you do not drop the course by the drop date September 4 (On Webadvisor), you will receive a minimum of a W or a letter grade in the course. If you do not drop by October 13, you will receive a letter grade in the course. College policies on attendance, illness, dropping a class, and other related areas may be found in the Fresno City College Catalog.

Makeups

There is no makeups in this course. If you know of a date that you cannot attend class, I may arrange for you to take the exam or quiz early if I am notified in a sufficient amount of time.

Additional Help

The best way to receive additional help is to utilize office hours, ETC (extending the classroom), GRASP (teacher help), or the tutorial center. There is no substitute for one on one help that is available through all those mediums. As many students from various classes may simultaneously arrive at these places of help, please have your questions ready in advance. We know also have available NET TUTOR on Canvas. It is 24/7 available online help by tutors who have a minimum of a bachelors degree in math. This service is FREE to all FCC students (usually \$25 an hour).

Preparation for class

It is vastly beneficial to pre-read all material prior to class so that lecture fills in the gaps, rather than learning material for the first time. Complete assignments prior to class noting question you may have for class. There are videos available for every section of the book at MyMathLab.com. Watching these videos prior to class will vastly benefit you and allow you to fully understand the material in class.

In class

Participate as much as possible as this will not only greatly enhance your learning, but will also make mathematics much more enjoyable. I encourage student discussion and helping each other. Please be prepared in class which means having a text, writing utensil, and completed assignments each class meeting.

Assignments

Assignments are given for each section of the chapters presented in the course. The assignments vary in length depending on the material covered in class. Homework is assigned through MY MATH LAB. NO LATE ASSIGNMENTS WILL BE ACCEPTED! Consistent and timely completion of assignments is essential to the successful completion of the course.

Cheating and Plagiarism

Cheating or plagiarism will be dealt with in accordance to the Student Code of Conduct which includes consequences ranging from reprimand to expulsion.

Suggestions

Learning Mathematics takes place in two parts. Studying lecture notes and the text is the first stage. Attending lecture greatly increase your ability to comprehend the material. Use the examples as a guide rather than a rote memorization process. Try to understand why things are true rather than just copying step per step. Stage two, the most critical stage, is as simple as doing homework problems. Over 13 years of teaching has shown me an astounding correlation between those who do homework and those who do well in my classes. Doing math is 80% of learning math. Grapple with the problems and beat them as opposed to the other way around. Push your mind and you will surprised at its ability to comprehend. Working with other students or in groups can also be key to your success and I encourage you to work together.

DSP and S

Students with disabilities who qualify for academic accommodations must provide a letter from the DSP&S and discuss specific needs with the professor, preferably during the first two weeks of class. DSP&S determines accommodations based on appropriate documentation of disabilities.

Tentative Schedule

Week 1	8.1, 8.2, 8.3	Week 10	11.4,11.5, 11.6
Week 2	8.3, 8.4	Week 11	Ch 11 Exam, 12.1, 12.2, 12.3
Week 3	8.5, Ch 8 Exam, 9.1	Week 12	12.4, 12.5
Week 4	9.1, 9.2, 9.3, 9.4	Week 13	12.6, Chap 12 Exam, 13.1, 13.2
Week 5	9.4, 9.5, 9.6, Ch 9 Exam	Week 14	13.3, 13.4, 13.5
Week 6	10.1, 10.2, 10.3	Week 15	Ch13 Exam, 14.1, 14.2
Week 7	10.3, 10.4, 10.5	Week 16	14.3, 14.4, Final Review
Week8	10.5, 10.6, Ch 10 Exam	Week 17	Final Review
Week 9	11.1, 11.2, 11.3	Week 18	Finals Week

Final Exam

Math 103 Daily Class: 12:00-1:50—December 13 (Wednesday), 2017.

Math 103 MWF Class: 10:00-11:50pm — December 13 (Wednesday), 2017

* Please turn your phones and any other electronic devices off prior to the start of class