

COLLEGE ALGEBRA

MATH 105, SPRING 2013 - SECTION #43138 (4 UNITS)
TUES & THURS, 8:00 AM - 9:50 AM, BLDG. 21, ROOM 157

INSTRUCTOR



Name STEPHEN TONER
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Email Stephen.Toner@vvc.edu
Websites www.stevetoner.com, www.MathVideos.Net
Office Hours MTWTh 7:15 AM - 7:40 AM in my office
 Tues: 10-11 AM in the *Math Success Center* (bldg. 42)
 Wed: 10:40 AM-12:30 PM in the *Math Success Center* (bldg. 42)

COURSE

DESCRIPTION

This course covers factoring; radicals and rational exponents; rational expressions; solutions of linear, quadratic, and polynomial equations and inequalities; absolute value equations and inequalities; graphing relations and functions; solutions of systems of equations; exponential and logarithmic functions; conics; partial fraction decomposition; complex numbers; binomial theorem, determinants and matrices of any order; arithmetic and geometric progressions; and proof by mathematical induction.

PREREQUISITES

Math 90 with a grade of "C" or better, or by eligibility by placement on the VVC assessment exam. You may be asked to provide proof that you have met this prerequisite. Acceptable forms of proof include (but not limited to) VVC Assessment Test results, WebAdvisor or MicroGrade printout, or prerequisite challenge approval.

TEXTBOOK / MATERIALS



COLLEGE ALGEBRA, 1ST EDITION, BY JULIE MILLER

Online access to Connect Math is at <http://www.connectmath.com/>. Online access is required for your homework and exams. Your course code, needed to register, is **EHJPJ-FFWFA**.

Since we are beta-testing this text, it is **FREE!** The text and student answers can be downloaded from <ftp://EmilyWilliams:Emily.Williams@ftp.eppg.com/VictorValleyCollege/>



CALCULATORS

Non-graphing calculators are permitted in this course. The text will be illustrating problems using a graphing calculator on occasion; however, I am primarily assigning problems that will only require a non-graphing calculator, if any at all.

HOMEWORK

Practice is a vital component in learning mathematics. Students are to read each section in the book and do the assigned homework at the Connect Math website. You may take each homework assignment as many times as you wish, and I will only count the highest grade for each. Homework for each chapter will be due at 7:59 AM on the test day for that chapter. I will drop the 5 lowest scores from your homework assignments at the end of the semester before calculating your semester grade.

The book and student answers can be downloaded from the following link:

<ftp://EmilyWilliams:Emily.Williams@ftp.eppg.com/VictorValleyCollege/>

I suggest you go to this ftp link one time, download the entire semester's files at one time, and then not have to go to the site again.

LECTURE NOTES AND VIDEOS

There are two sets of video lectures, those provided by the publisher, and those which I have created myself.

To watch the author's videos, go to <http://www.millersample.com/> and use the password "sine". Click on the GREEN College Algebra book with the tennis ball on the cover. The second dropdown menu, titled "Miller College Algebra Video Series" will contain all of the author's videos. (There may be times I have you go into the first menu "Miller College Algebra Dynamic Flash Animations" too.)

To watch the lecture videos I have personally produced, you will want to go to www.mathvideos.net, my video website, and click on the College Algebra button. Above each chapters, there is a link to download blank lecture notes. Please download and print these out so that you can take notes from the videos listed in the table, organized by section and page number (in the notes). These are intended to supplement your education or to fill in gaps for what you missed in class, not as a replacement for being in the classroom.

CHAPTER TESTS

We will have 7 chapter tests (chapters 5 and 6 are combined as a single "chapter") and one final exam. I will drop your lowest-scoring chapter exam. No graphing calculators, notes or "cheat sheets" may be used on any of the chapter tests.

GRADING

It is your responsibility to be aware of your grade. Your final grade will be determined as follows:

Chapter Tests	50% of your grade	A: [88,100)
Online Homework	25% of your grade	B: [78,88)
Comprehensive Final Exam	25% of your grade	C: [70,78)
		D: [65,70)
		F: [0, 65)



STUDENT ACCESS

Students with special needs are encouraged to meet with instructors to discuss the opportunity for academic accommodation and be referred to disabled student program and services per Administrative Procedure (AP 3440).

If you have a learning disability or physical need that requires special accommodation, please advise me prior to 02-19-13 (the start of the second week of class).

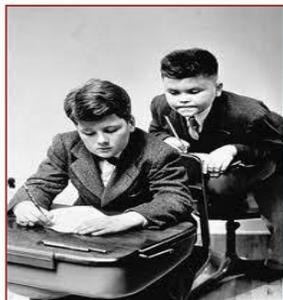
IMPORTANT NOTES ABOUT TECHNOLOGY

This course requires reliable computer access. Please ensure your computer is in good repair at the start of the semester. It is suggested that before any major assignments, the computer be re-booted to clear any memory caches which may cause issues while testing. While documented outages may occur, it is the student's responsibility to meet all deadlines in this course.

At the start of the semester, please go to www.connectmath.com/downloads and install the latest versions of many key plug-ins and movie players. If you ever find your computer running slow, sometimes the cause may be too many versions of Java running in your system. If this is the case, go into your Control Panel, uninstall both Java and Aleks. Then go to the download page mentioned above and re-install Java first, followed by Aleks. This will solve many of the issues that students typically face.

POLICIES

SCHOLASTIC DISHONESTY



While students may work together on the researching of any assignment, it is expected that each of their writing assignments reflect substantial individual effort. Any student who commits plagiarism or is found to have cheated on a scheduled exam is subject to a zero score for that specific exam which may result in a term grade of "F" for this course. Students should be aware that cases of cheating and/or plagiarism will be forwarded to the appropriate college administrator promptly. The college administration has a range of sanctions that may be imposed including, but not limited to, academic suspension or expulsion from the college.

ATTENDANCE

YOU ARE REQUIRED TO ATTEND CLASS EVERY DAY. AFTER 4 HOURS OF ABSENCE, YOU MAY BE DROPPED FROM THIS CLASS. IT IS YOUR RESPONSIBILITY TO KEEP YOUR ENROLLMENT STATUS CURRENT. YOU RISK AN "F" IF YOU STOP ATTENDING WITHOUT OFFICIALLY WITHDRAWING. DO NOT BRING FRIENDS OR CHILDREN TO CLASS. PLEASE TURN ANY CELL PHONES OR PAGERS TO SILENT MODE DURING CLASS TIME. NO CELL PHONES WILL BE ALLOWED ON YOUR DESK DURING EXAMS. WE ARE HERE TO LEARN; PLEASE REFRAIN FROM TEXTING DURING CLASS.

Class attendance is not a measure of performance or proficiency. Whether a student is just physically present in the class is not a valid basis for grading. Reference Title 5 Section 55002 of the California Code of Regulations: (A) Grading Policy. The course provides for measurement of student performance in terms of stated course objectives and culminates in a formal, permanently recorded grade based upon uniform standards in accordance with section 55758 of this Division. The grade is based on demonstrated proficiency in the subject matter and the ability to demonstrate that proficiency, at least in part, by means of written expression that may include essays, or, in courses where the curriculum committee deems them to be appropriate, by problem solving exercises or skills demonstrations by students.

STUDENT LEARNING OUTCOMES

Upon completion of the course the student can:

1. Recognize, graph and compute zeros for polynomial, rational, radical, logarithmic and/or exponential equations.
2. Apply matrix algebra to determine the solution of a system of linear equations.
3. Apply concepts of analytic geometry to the conic sections.
4. Demonstrate knowledge of geometric and arithmetic sequences.

MISCELLANY

ACADEMIC SUPPORT

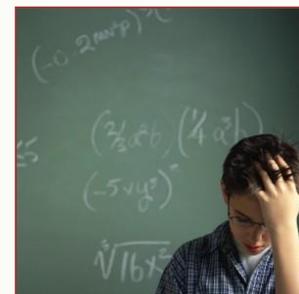
You are strongly encouraged to get tutoring or go to the Math Success Center, study in groups, and see me for help outside of class. All of these are free! Students that get help outside of class are typically much more successful than those that do not.

Regular Math Success Center hours are:

Monday-Friday 9:00 AM - 5:30 PM (starting the second week of class)

The Math Lab is located in building 42 (the Academic Commons). Outside of these those hours, please go to the information booth at the east end of the Tech building to sign in for tutoring help. The MSC will begin operation the second week of the semester.

My office hours are listed at the start of this syllabus. Appointments are also available if you are unable to meet me at those times.



VVC SPRING CALENDAR

Spring Term Begins	Feb. 11
Washington's Day Holiday (college closed)	Feb. 18
Last Day to Drop and still receive a "W"	March 29
Spring Break (college closed)	April 6-14
Memorial Day Holiday (no classes)	May 27
Semester Ends- Final Exam	June 5

CLASS SCHEDULE

An effort will be made to adhere as closely as possible to this schedule. If we can ever “get ahead” of the pace, we will take the opportunity to do so, just in case we need extra time on other material, later in the course. Test dates are fixed, however. They will not change, regardless of our progress through the course.

Sections to be Covered In Class			Sections to be Covered In Class		
T	02.12	Connect, Intro, R1, 1.1, 1.2	T	04.16	5.1, 5.2, 5.3
Th	02.14	1.3, 1.4, 1.5	Th	04.18	5.4, 5.5, 5.6
T	02.19	1.6, 1.7, 1.8	T	04.23	6.1, 6.2
Th	02.21	2.1, 2.2, 2.3, Review	Th	04.25	6.3, 6.4, 6.5
T	02.26	2.4, 2.5; Test Ch. 1	T	04.30	Review
Th	02.28	2.6, 2.7, 2.8	Th	05.02	Test Ch. 5 - 6 (counts as single exam)
T	03.05	3.1, Review	T	05.07	7.1, 7.2
Th	03.07	3.2, Test Ch. 2	Th	05.09	7.3
T	03.12	3.3, 3.4, 3.5a	T	05.14	Review
Th	03.14	3.5b, 3.6	Th	05.16	Test Ch. 7
T	03.19	3.7, Review	T	05.21	8.1, 8.2
Th	03.21	Test Ch. 3	Th	05.23	8.3, 8.4
T	03.26	4.1, 4.2, 4.3	T	05.28	8.5, Review
Th	03.28	4.4, 4.5, 4.6	Th	05.30	Test Ch. 8
T	04.02	Review	T	06.04	Final Exam Review
Th	04.04	Test Ch. 4	Th	06.06	Final Exam