

Math 105 – College Algebra Course Syllabus (4 units) Course #16548 Fall 2007

Class Hours:

MW: 10:15–12:20 pm

Room: LA-10 (bldg. 30)



MathZone Code: 7DC-A9-EAE

Instructor: **Stephen Toner**

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Office: Bldg 30 (Liberal Arts), office “U”

Office Hours: MW: 9:35 - 10:05 am

M,T,W,Th: 7:00 - 7:50 am

Fall Calendar:

Aug. 27 Classes Begin

Sept. 3 Labor Day Holiday

Nov. 5 Last day to drop with a “W” grade

Nov. 12 Veteran’s Day Holiday

Dec. 12 End of Fall semester

Prerequisite: Math 90 with a grade of "C" or better. **Be sure that you meet this requirement.** You will be administratively dropped if it is discovered that this requirement has not been met.

Textbook: *College Algebra*, John W. Coburn. If you purchase it at the VVC bookstore, it will come bundled with the MathZone online supplement. **MathZone Code: 7DC-A9-EAE**

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.

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.

Homework Policy: Practice is essential. Each student is expected to spend at least 2 hours doing homework for each hour this class meets. (A list of homework exercises is located on the back.) Each chapter’s homework will be due on the day of that chapter’s exam. After the lowest chapter’s score is dropped, the remaining test scores will collectively count as one exam score (which may count as the lowest chapter score to be dropped).

Grading Policies: Grades will be based on your homework, all chapter tests (the lowest score will be dropped) and the cumulative final exam (which counts as two exams and may not be dropped). You may use a non-graphing, non-programmable, calculator on each exam. No notes or “cheat sheets” will be allowed on any exam. Any exam not taken will be regarded as a zero. Students are expected to complete all exams during class on the dates and times scheduled. **No make-up or re-take exams will be given.**

Grading Scale: A=90% or above; B=80%-89.9%; C=70%-79.9%; D=65%-69.9%; F=below 65%

Tentative 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		
M	8/27	Intro, 1.1, 1.2, 1.3	M	10/22	5.3, 5.4, 5.5
W	8/29	1.4, 1.5	W	10/24	6.1, 6.2, review
M	9/3	Labor Day Holiday	M	10/29	6.3, 6.4, 6.6
W	9/5	Test Chapter 1	W	10/31	Test Chapter 5
M	9/10	2.1, 2.2, 2.3	M	11/5	6.5, 6.7, 6.8
W	9/12	2.4, 2.5	W	11/7	7.1, review
M	9/17	Test Chapter 2	M	11/12	Veterans' Day Holiday
W	9/19	3.1, 3.2, 3.3	W	11/14	Test Chapter 6
M	9/24	3.4, 3.5, 4.5, 4.6	M	11/19	7.2, 7.3, 7.4
W	9/26	3.7, 3.8	W	11/21	7.5
M	10/1	3.6, review	M	11/26	Review, Test Chapter 7
W	10/3	Test Chapter 3	W	11/28	8.1, 8.2, 8.3
M	10/8	4.1, 4.2, 4.3	M	12/3	8.4, 8.7
W	10/10	4.4, 4.7	W	12/5	Review, Test Chapter 8
M	10/15	5.1, 5.2, review	M	12/10	Review
W	10/17	Review, Test Chapter 4	W	12/12	Final Exam

Attendance Policy: *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.*

Section	Exercises	Section	Exercises	Section	Exercises
1.1	9-57 eoo, 69-83 odd	4.1	9-45 eoo	7.1	9-65 eoo
1.2	9-81 eoo, skip word problems	4.2	9-65 eoo	7.2	9-57 eoo
1.3	9-77 eoo, 81-89 odd	4.3	15-65 eoo, 85-93 eoo	7.3	9-49 eoo
1.4	9-65 eoo	4.4	9-53 eoo, 61-77 eoo	7.4	9-45 eoo
1.5	9-109 eoo, 115, 117	4.5	9-53 eoo, 63	7.5	9-57 eoo
		4.6	9, 13, 19, 25		
2.1	9-37 eoo, 45-69 eoo	4.7	7-49 eoo	8.1	1-93 eoo
2.2	9-97 eoo, 103, 107			8.2	1-81 eoo, 89
2.3	9-89 eoo, 107, 111	5.1	9-51 eoo, 57, 59	8.3	1-101 eoo, 107
2.4	9-73 eoo	5.2	9-73 eoo, 91	8.4	27, 29, 31
2.5	9-65 eoo	5.3	9-85 eoo	8.7	7, 17, 27, 37, 41
		5.4	9-93 eoo		
3.1	9-61 eoo, 75	5.5	9-25 eoo, 37-45 odd		
3.2	9-85 eoo				
3.3	9-75 eoo	6.1	17-53 eoo, 67-73 odd		
3.4	9-45 eoo, 51, 53, 57, 59	6.2	11, 13, 21-37 odd		
3.5	9-45 eoo, 51	6.3	9-49 eoo, 53, 57		
3.6	13-37 eoo, 47, 49, 51	6.4	9-57 eoo		
3.7	11, 17-25 eoo, 31, 33, 37	6.5	9-25 eoo, 31, 33		
3.8	9-45 eoo	6.6	9-49 eoo		
		6.7	15-21 odd		
		6.8	7-17 eoo, 25, 29, 37-53 eoo		