

## MATH 25, Fall 2016 - Syllabus

### College Algebra

**Instructor:** Josh Buli

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**Website:** [www.math.ucr.edu/~buli/MATH\\_25\\_F2016/MATH\\_25\\_F2016.html](http://www.math.ucr.edu/~buli/MATH_25_F2016/MATH_25_F2016.html)

**Class Time:** Section 89336 - MTWR - 7:00 - 9:15 PM

**Room:** Chaffey College, VSS - 208

**Textbook:** College Algebra, 2<sup>nd</sup> edition, by Julie Miller

**Prerequisites:** MATH 425 or the equivalent. It is imperative that you have a good grasp of these prerequisites in order to be successful in the course.

#### Course Description

From the catalog: Topics include solutions to higher degree polynomial equations: functions, polynomial, rational, inverse, etc.

Specifics: We will cover material from chapters 2-8 in Miller. The section breakdown is on the following pages. Topics will include functions and their graphs, graphing techniques, function composition, polynomial functions of degree greater than two, rational functions, exponential and logarithmic functions and their applications, solving systems of linear equations, systems of inequalities, conic sections, sequences and series, binomial theorem, and mathematical induction.

**Attendance:** Attending every class period is very important. Missing classes can severely affect your grade. Please be on time for classes and exams. Coming in late disrupts other students. *If you decide that you wish to drop the class, it is your responsibility to make the drop official and to file the appropriate forms.* However, any absence in the first week may be interpreted as a lack of interest in continuing and result in an administrative withdrawal to make room for those wishing to add.

#### Student Learning Outcomes:

- Solve and apply systems of equations and inequalities.
- Analyze and apply algebraic and transcendental functions.
- Graph, derive, and apply conic sections.
- Derive, apply, or analyze sequences and series including: arithmetic, geometric, binomial expansion, and induction proofs.

**Homework:** Homework for the entire course is included on the schedule of topics on the following pages. You are responsible for knowing how to do all the problems that are assigned. It is a good idea to do **as many problems as possible** from what is assigned in order to do well. Doing a lot of problems that require different approaches will help broaden your skill set. Homework will not be collected, it is for your benefit to do the problems in preparation for exams and quizzes. **If you do not do the homework, you will not pass this class!**

**Quizzes:** There will be 8 quizzes and all questions will be graded out of 3 points. Quizzes will all be group quizzes. You **MUST** take the quiz on the scheduled day, or you will receive a grade of "0" for the quiz. **THERE WILL BE NO MAKE-UPS UNDER ANY CIRCUMSTANCES.**

**Exams:** There will be (2) midterms and (1) final exam during the semester. You must show **ALL** work on the test questions. Answers without any work will receive no credit. All exams will be closed book, closed notes, and no calculators. **THERE WILL BE NO MAKE-UPS UNDER ANY CIRCUMSTANCES.**

All tests will be 12 questions. You will be able to choose any 11 that you wish to be graded, and if you choose to do the 12<sup>th</sup> problem, it will be counted as extra credit. All students **MUST** take the final. **All students are required to take the final exam. Any student who does not take the final exam will receive an overall course grade of an "F".**

## Grading

The percentage for the quizzes, midterms, and final will be as follows:

Item	Percentage
Quizzes	20 %
Midterm 1	25 %
Midterm 2	25 %
Final	30 %

Regrades: If a student has a grade dispute on any quizzes or exam, and wishes to have a regrade, the student must approach the instructor by the end of the class period the exam is returned. Once the student leaves the classroom, there will be **NO** regrading of any quizzes or exams.

### **Dates of Exams:**

Midterm 1: 9/01/2016

Midterm 2: 9/15/2016

Final: 10/05/2016

### **Important Dates:**

Last Day to Add: 8/19/2016

Last Day to Drop w/o W: 8/19/2016

Last Day to Drop w/ W: 9/15/2016

From the above chart, the total percentage grade will be calculated. The overall course grade distribution for the course will be the following:

A	B	C	D	F
[90, ∞)	[80,90)	[70,80)	[60,70)	[0, 60)

Note: The cutoffs above are the highest that will be used. The instructor reserves the right to change this table.

### **Additional Policies:**

**Course Concerns:** Students are expected to attend each class meeting, arriving punctually, and remaining the entire time. Students are responsible for getting class notes, schedule changes, and other announcements from their classmates in the days they miss class. **THERE WILL BE NO HOMEWORK EXTENSIONS OR MAKE-UPS UNDER ANY CIRCUMSTANCES.** Students must bring any grading concerns to the attention of the instructor on the same day that an quiz or exam is returned.

**Academic Dishonesty:** There will be no tolerance for academic dishonesty infractions. Cheating is not allowed and may result in severe sanctions up to and including expulsion from the College (cf Student handbook). Cheating includes, but is not limited to, using others work as your own, allowing others to use your work, and using outside material on homeworks or exam. The instructor reserves the right to discipline any student for academic dishonesty, in accordance with the general rules and regulations of the college. Disciplinary action may include the lowering of grades and/or the issuance of a failing grade for an exam or an assignment.

**Disability Programs and Services:** If you have a disability documented by a physician or other appropriate professional and wish to discuss academic accommodations, please contact the DPS office as soon as possible. Please be sure to allow adequate time to arrange an appropriate accommodation. Chaffey Colleges Disabled Students Programs and Services, or DPS, serves an estimated 1500 students across all Chaffey campuses. DPS serves students with physical, learning, and psychological/psychiatric disabilities by providing accommodations based on the type of disability and verifying documentation. Services include academic counseling, disability related counseling and referral for community resources, test accommodations, tram services, adapted computer lab, assistive technology training, assessment, and equipment loan. For more information please contact the DPS general phone line at (909) 652-6379.

**Other Services:** Other services provided by Chaffey College include the Success Center, CalWorks, EOPS and CARE, Counseling Department, Student Health Services, Honors Program, GPS Centers, Veterans' Resource Center, Career Center, and Transfer Center. If you wish to know more about these programs, please visit their corresponding websites for more information.

## MATH 25 Schedule and Homework

Section	Date	Homework	Quiz Information
1	8/15	p. 163 # 9-22 (even), 29, 30, 34; p. 164 # 1-7	
2.4	8/15	9-14, 25-30, 51-58, 63, 64, 65-68, 79, 80, 91	
2.5	8/16	5-21 (odd), 23-28 (odd), 29-36 (odd), 37-40, 45, 46, 55, 58	
2.6	8/16	9-14, 15-26, 33, 34, 41-43, 55, 56, 62, 63-78 (odd), 87	
2.7	8/17	7-18, 27-32, 33-46, 47, 48, 57, 58, 61, 62, 89-91, 97-102	QUIZ # 1
3.1	8/18	7-14, 15-20, 25-28, 33-38, 49, 51, 53, 54, 55	
3.2	8/22	13-20, 23-38, 39, 59-76 (odd), 77-88 (even or odd)	
3.3	8/22	9-38 (even or odd), 43, 44, 47-50, 63, 64	
3.4	8/23	17-28 (even or odd), 33, 34, 39, 40, 49, 50 85-88	
3.5	8/23	7-11, 17-23, 29-35, 39-45, 67-85	QUIZ # 2
3.6	8/24	15, 21-47, 59, 63-83	
2.8	8/24	9-31, 33, 35, 41, 47-59, 63-75, 83, 91, 95	
4.1	8/25	13-19, 23-25, 39-49, 53, 71, 73	
4.2	8/25	9-31, 39-55	QUIZ # 3
4.3	8/29	9-43, 65-85	
4.4	8/29	7-35, 45-61, 79-83	
4.5	8/30	5-29, 37-57, 61, 63	
4.6	8/30	15-19	
<b>Review</b>	8/31	<b>Test Review</b>	§2.4 - 4.6
<b>Midterm 1</b>	9/01	<b>Midterm 1</b>	§2.4 - 4.6
X.X	9/05	<b>HOLIDAY - LABOR DAY</b>	<b>NO CLASS</b>
5.1	9/06	15-31, 37-43	
5.2	9/06	9-19, 25, 29, 41, 61	
5.4	9/07	3-11, 15, 17, 21-33, 37, 39, 41, 45	
5.5	9/07	11-23, 41-47, 51-55	
5.6	9/08	9-17, 21	QUIZ # 4
6.1	9/08	41-55	
6.2	9/12	19-29, 33	
6.3	9/12	27, 29, 31, 35, 37, 39, 53-67	QUIZ # 5
6.4	9/13	13, 19-27, 35-45	
6.5	9/13	7, 9, 23-27, 33-47	
<b>Review</b>	9/14	<b>Test Review</b>	§5.1 - 6.5
<b>Midterm 2</b>	9/15	<b>Midterm 2</b>	§5.1 - 6.5
2.2	9/19	9-13, 17-31. 41-47	
7.1	9/20	13-21, 23, 27, 29, 33-49, 53	
7.2	9/20	13-21, 23, 27, 29, 33-41, 47	
7.3	9/21	15-19, 27, 29, 35-39, 45-51, 61-65	QUIZ # 6
8.1	9/22	7, 17, 19, 57, 59, 63	
8.2	9/26	7-23, 31-43, 47-51, 55-63	
8.3	9/27	9-29, 33-45, 49-67	
8.4	9/28	3-9, 13, 21	QUIZ # 7
8.5	10/03	15-23, 29-33	QUIZ # 8
<b>Review</b>	10/04	<b>Test Review</b>	§ALL
<b>FINAL</b>	10/05	<b>FINAL: 7:00 - 9:15 PM</b>	§ALL

**VERIFICATION OF SYLLABUS RECEIPT AND DISCUSSION**

I verify that I have received and reviewed the course syllabus for MATH 25 - College Algebra. Furthermore, the instructor, Josh Buli, has provided opportunities for questions and discussion regarding the syllabus in class. I feel that I have an understanding of the syllabus and content and the class requirements and policies (tentative schedule, homework assignments, grading scale, letter grade definitions, course policies and structure, etc.). By signing this verification, I the student hereby accept all terms to the above course syllabus.

**Student Name:** \_\_\_\_\_

**Student Signature:** \_\_\_\_\_

**Alias/Codename for Grades:** \_\_\_\_\_

**Date:** \_\_\_\_\_