

# Math 2: College Algebra

Summer Session 2, 2017

Steven Flynn

spflynn@ucsc.edu

Office Hours: Wednesday 3:30-6:00 and by appointment

Location: McHenry 1261

Primary Text: College Algebra, by Jay Abramson (Senior Contributing Author)

PDF: <https://openstax.org/details/books/college-algebra>

Secondary Text: College Algebra, by Julie Miller

## Student Learning Objectives

- Understand operations on real numbers, complex numbers, polynomials, rational expressions, exponents, radical, and the algebra of functions.
- Evaluate linear and quadratic equations and inequalities.
- Recognize, diagnose, and decide on the appropriate method for solving applied real world problems such as optimization and radioactive decay.

## Goal

Our goal in this class will be to cover chapters 1-6 of the textbook.

## Grading

Midterm 1	25%
Final: Cumulative	30%
Homework	25%
Attendance/Participation	20%
A+	97.1%-100%
A	93%-96.9%
A-	90%-92.9%
B+	87.1%-89.9%
B	83%-86.9%
B-	80%-82.9%
C+	77.1-79.9%
C	70%-77%
D	60-69.9%
F	0-59.9%

## **Make Up Tests**

There will be no make-up tests. If an emergency arises and you must miss a test, then you will be asked to provide documentation and a replacement by your score on selected problems from the final.

## **Homework**

Homework will be assigned once per week and will be collected the following week.

Each assignment is worth 10 points. 5 points will be awarded for completeness, and 5 points for the correctness of one arbitrarily chosen problem. If you simply put an answer without justification or work, that question will be graded as if it were not answered.

Late homework will be graded for half credit. If you are struggling to finish your homework on time, please let me know. Feel free to email me homework questions any time.

You are expected to turn in every assignment. The homework will prepare you for exams, and some exam questions will be the same or nearly the same as homework questions.

## **Expectations**

You are expected to attend all class meetings. Participation in this course is very important to achieving understanding of the material. Every class meeting will include an activity, and participating in the activity will affect your grade.

Please do not use a cellphone while in the classroom. If you must take a phone call, please step outside.

Please come to class prepared. Plan to bring your book, paper, and a pencil to each meeting. You should also read the section to be discussed before each meeting.

Please be respectful to all others in the classroom. If you are inhibiting someone's ability to learn, you will be asked to leave.

## **Academic Integrity**

All written activities, homework assignments, and tests must be completed by you. If you cannot solve a problem, please ask me for help. If you copy a solution from somewhere else, you will receive no credit for that assignment. If you plagiarize or have someone else complete your assignments, you will receive an F in this course. You may not use a calculator on the exams.

## **Attendance**

If you miss one or more class meetings during the first week, you may be dropped from this course. Since this is an accelerated course, you are expected to attend every class. I will deduct a half letter grade for every absence after your first.

### **Calculators**

Calculators are not allowed in class or during tests.

### **Contact**

The best way to reach me outside of the classroom is through email. I will answer all emails within two school days.

### **Resources**

Private Tutoring: Recommendations available upon request

If you need special accommodations due to a disability, please let me know as soon as possible. You may contact Disability Resource Center (831) 459-2089 to request support or accommodations for your disability.

### **Tentative Outline**

Date : Chapter (from Abramson)

#### Week 1

Monday 7/31 : 1.1-1.3

Wednesday 8/2 : 1.4-2.3

#### Week 2

Monday 8/7 : 2.4-2.7

Wednesday 8/9: 3.1-3.4

#### Week 3

Monday 8/14: 3.5-3.7

Wednesday 8/16: Midterm 1 (and lecture on 4.1)

#### Week 4

Monday 8/21: 5.1-5.3

Wednesday 8/23: 5.4-5.7

#### Week 5

Monday 8/28: 6.1-6.5

Wednesday 8/30: Final