

# MATH 410, Spring 2016 - Syllabus

## Elementary Algebra

**Instructor:** Josh Buli

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**Website:** www.math.ucr.edu/~buli

**Class Time:** Section 86070 - MTWR - 7:00 - 9:15 PM

**Room:** Chaffey College, VSS - 201

**Textbook:** Elementary and Intermediate Algebra, 5<sup>th</sup> edition, by Tussy/Gustafon

**Prerequisites:** Math 520 or the equivalent. You must have the ability to perform basic operations of arithmetic, including fractions, decimals, and positive and negative numbers. 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: Algebraic operations of addition, subtraction, multiplication, and division. Additional topics include special products and factoring, rational expressions and their operations, solution and application of linear and rational equations, graphing of linear equations in two variables, solving linear systems of two equations, and determining the equation of a line.

**Specifics:** We will cover material from chapters 2-7 in Tussy. The specific sections and material to be covered are outlined in the course schedule on the following pages.

**Attendance:** Attending every class period is very important. Missing classes can severely affect your grade. A sign in sheet will be passed around at the start of each class for attendance purposes. *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:

- Understand the concept of factoring.
- Translate verbal descriptions into mathematical notation.
- Understand the connection between geometric and algebraic representations.
- Apply operations involving polynomial and rational expressions.

**Homework:** Homework for the entire course is included on the schedule of topics to be covered on the following pages. You are responsible for knowing how to do all the problems that are assigned. All problems should be completed, but only the **bolded** problems listed in the 4<sup>th</sup> column should be turned in. Homework will be due each exam day, for a total of 3 homeworks, each worth **10 points**. **Please write your name and work legibly, with all problems clearly labeled and final answers circled. Please keep homework in order and staple all pages together.** Make sure to show all work leading to your answer. **NO LATE HOMEWORK WILL BE ACCEPTED!!** I will choose a few problems at random to be graded for correctness and the rest will be graded on completion of the assignment.

**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. As this is a fast-track course, exams will be non-cumulative. All exams will be closed book, closed notes, and no calculators.

Each exam 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. **THERE WILL BE NO MAKE-UP EXAMS FOR ANY REASON.** 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 homework, midterms, and final will be as follows:

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

Regrades: If a student has a grade dispute on any assignment 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 assignments or exams.

## Important Dates

Midterm 1: 2/01/2016

Add Deadline: 1/19/2016

Midterm 2: 2/18/2016

Drop w/o 'W' Deadline: 1/19/2015

Final: 3/03/2016

Drop w/ 'W' Deadline: 2/05/2015

From the above chart, the total percentage grade will be calculated. The overall course grade distribution for the course will be the following (Note: The cutoffs above are the highest that will be used. The instructor reserves the right to change this table):

A	B	C	D	F
[90, $\infty$ )	[80,90)	[70,80)	[60,70)	[0, 60)

## 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 FOR HOMEWORK OR EXAMS UNDER ANY CIRCUMSTANCES.** Students must bring any grading concerns to the attention of the instructor on the same day that an assignment or exam is returned. Students **SHOULD NOT** be using cell phones in class. If a student needs to use the phone, please do so outside the classroom, as to not disrupt other students.

**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. 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, EOPS and CARE, Student Health Services, Honors Program, 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 410 Schedule (Tentative) and Homework

Section	Date	Homework	Turn In Problems
1.9	1/11	29-40, 45-48, 101-118	<b>118</b>
2.1	1/11	65-70, 85-88, 93-100, 107-109	<b>95</b>
2.2	1/12	13-36, 49-60, 75-80, 123	<b>78</b>
2.3	1/12	11, 13-16, 25, 26, 29, 33, 50-53	<b>33</b>
2.4	1/13	17,18, 21, 23, 29, 30, 41-44, 53-60	<b>44</b>
2.5	1/13	16, 17, 24, 25, 29, 33	<b>24</b>
2.6	1/14	21, 22, 29-32, 40, 48, 50, 53	<b>48</b>
2.7	1/14	19-50, 63-90	<b>66</b>
3.1	1/19	8, 20, 21-28,	<b>22</b>
3.2	1/19	53-78	<b>70</b>
3.3	1/20	19-24, 63-74	<b>74</b>
3.4	1/20	21-24, 33-38, 73-78, 85-90	<b>76</b>
3.5	1/21	11-30, 43-50, 55-62, 97, 100	<b>60</b>
3.6	1/21	13-24, 45-48, 53-60, 78, 80	<b>54</b>
3.8	1/25	19-26, 35-38,51-54, 65-68	<b>44</b>
4.1	1/25	25, 26, 29, 30, 33, 34, 53-56, 65-68	<b>68</b>
4.2	1/26	13-24, 41-54	<b>54</b>
4.3	1/26	21-32, 45-56, 92, 93	<b>25</b>
4.4	1/27	13, 14, 22, 23, 25, 26, 38-42	<b>22</b>
4.5	1/27	15-22, 31-38	<b>18</b>
<b>Review</b>	1/28	<b>Test Review</b>	§1.9 - 4.5
<b>Midterm 1</b>	2/01	<b>Midterm 1 / HW 1 Due</b>	§1.9 - 4.5
5.1	2/02	39-102 even	<b>72</b>
5.2	2/02	17-32, 63-72, 81-102	<b>82</b>
5.3	2/03	29-60	<b>44</b>
5.4	2/03	49-52, 69-72, 82	<b>69</b>
5.5	2/04	29-36, 49-56, 57-60, 69, 70	<b>49</b>
5.6	2/04	25-33, 41-48, 77-82	<b>46</b>
5.7	2/08	9-14, 37-40, 57-66, 109, 110	<b>57</b>
5.8	2/08	13-18, 25-28, 37, 38, 45, 46, 67-72	<b>45</b>
6.1	2/09	41-46, 57-60, 65-68, 73-76, 77-80, 101-106	<b>102</b>
6.2	2/09	15-34, 47-50, 67-80	<b>73</b>
6.3	2/10	19-70 odd	<b>37</b>
6.4	2/10	21-26, 37-40, 49-52	<b>40</b>
6.5	2/11	17-20, 29-32, 49-54	<b>51</b>
6.6	2/11	15-30	<b>20</b>
6.7	2/16	15-58, 67-86	<b>74</b>
6.8	2/16	13-18, 21, 22	<b>16</b>
<b>Review</b>	2/17	<b>Test Review</b>	§5.1 - 6.8
<b>Midterm 2</b>	2/18	<b>Midterm 2 / HW 2 Due</b>	§5.1 - 6.8
7.1	2/22	23-30, 43-46, 67-80	<b>74</b>
7.2	2/22	11-14, 23-28, 39-42, 47-50	<b>50</b>
7.3	2/23	13-20, 21-24, 33-36, 77-80, 83-86	<b>36</b>
7.4	2/23	23-26, 31-34, 47-50, 55-64	<b>58</b>
7.5	2/24	33-36, 37-40, 45-48, 54	<b>45</b>
7.6	2/24	15-18, 23-26, 31-34, 73-77	<b>74</b>
7.7	2/25	24, 28, 29	<b>29</b>
7.8	2/25	73-75	<b>74</b>
<b>Review</b>	2/29	<b>Chapter 7 Review</b>	§7.1 - 7.8
<b>Review</b>	3/01	<b>Final Review</b>	§Final
<b>Review</b>	3/02	<b>Test Review</b>	Open Questions
<b>FINAL</b>	3/03	<b>FINAL: 7:00 - 9:15 &amp; HW 3 Due</b>	§7.1 - 7.8

**VERIFICATION OF SYLLABUS RECEIPT AND DISCUSSION**

I verify that I have received and reviewed the course syllabus for MATH 410 - Intermediate 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:** \_\_\_\_\_

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