Math 2: Syllabus

Administrative Info

Course name: College Algebra for Calculus
Course Number: 81009
Credit: 4 credits
Time: Tu & Th Lecture 6:00 – 7:15 pm, Lab 7:30 - 8:45 pm
Place: Math / Engineering Bldg, Room 1526
Instructor: Scot Fagerland
Dates: 8/12 – 12/09

Course advisory: SCC minimum English standard

Course description and program:
Designed to develop the skills and introduce the concepts necessary for further study in mathematics, and facilitate the application of those skills and concepts to other fields. Included is a review of elementary set algebra; the algebra of functions; the real and complex numbers as a field; algebraic, exponential, and logarithmic functions; equations and inequalities of these functions; solution of linear systems, matrix algebra, and introduction to sequences and series. Lab hours may be scheduled or TBA depending on section. Students are expected to complete both the lecture and lab portions of the course. Three hours lecture.

SLO

Apply functions as a mathematical tool to model the conceptual ideas of algebra.

Required Materials

"College Algebra" by John Coburn & Jeremy Coffelt, Third Edition
ISBN: 978-0-07-351958-6
You will need a scientific calculator for this class. I recommend the TI-30.

Instructor

Scot Fagerland, scot.fagerland@solano.edu

Key Dates

- 08/22/2025 – Last day to drop with a refund and no record
- 08/29/2025 – Last day to add / drop with no refund
- 11/11/2025 - Veterans Day – No Classes
- 11/14/2025 – Last day to drop with a "W" and w/o Academic Penalty
- 11/27-11/30/2025- Thanksgiving Holiday Weekend – No Class – Campus Closed
- 12/06-12/12/2025 - Finals Week

Course Calendar

Week	Tue	Thu
1	8/12 Introduction	8/14 Lecture
2	8/19 Homework Q&A	8/21 Quest 1
3	8/26 Lecture	8/28 Lecture
4	9/02 Homework Q&A	9/04 Quest 2
5	9/09 Lecture	9/11 Lecture
6	9/16 Homework Q&A	9/18 Quest 3
7	9/23 Lecture	9/25 Lecture
8	9/30 Homework Q&A	10/02 Quest 4
9	10/07 Lecture	10/09 Lecture
10	10/14 Homework Q&A	10/16 Quest 5
11	10/21 Lecture	10/23 Lecture
12	10/28 Homework Q&A	10/30 Quest 6
13	11/04 Lecture	11/06 Lecture
14	11/11 VETERANS DAY HOLIDAY	11/13 Lecture
15	11/18 Homework Q&A	11/20 Quest 7
16	11/25 Semester review; Practice Final given out	11/27 THANKSGIVING HOLIDAY
17	12/02 Discuss Practice Final	12/04 Discuss Practice Final
18	12/09 FINAL EXAM	12/11 MERRY CHRISTMAS!

Lecture & "Lab"

Technically, this class is scheduled as a "lecture" from 6:00 – 7:15 and a "lab" from 7:30 – 8:45. You are required to attend both. The lecture will be for my presentation of problems and their solutions. Labs will be your chance to practice them alone or in groups. We will not necessarily divide class time in half according to the suggested schedule, but may incorporate lab work into the lectures throughout the day.

Grading

Graded Assignments

Quests (Quiz / Tests)

- Each quest will be worth 10% of your grade. A quest has 10 multiple-choice questions.
- The quests will test your ability to do problems similar to problems we've done together in lecture or lab, but this time "solo" of course. No books or notes will be allowed.
- Each quest except the first one will cover half "new" material (the last week of lecture) and 50% "review" material (mostly challenging problems from previous quests).

Final Exam

- The final exam will be worth 30% of your grade.
- I will allow use of your own notebook for the final exam.

Scale

This class will use the standard grading scheme, rounded to the nearest percent:

90 – 100% = A
80 – 89% = B
70 – 79% = C
60 – 69% = D
0 – 59% = F

Missed assignments

There will be no make-up assignments in this class. If you miss a quest, its score will be filled in by your score on the next quest, or the final exam in case you miss Quest 7.
You must take the final exam on December 9 as scheduled! I will make exceptions only for very well-documented bona fide emergencies, or for unavoidable pre-arranged travel plans that you discuss with me in Week 1.

Extra Credit

There may be opportunities to earn extra credit by contributing resources that save me time, such as:

- Transcribing a lecture into well-organized notes suitable for use by everyone.
- Making up homework problems to suit “off-book” lecture topics
- Submitting multiple-choice problems suitable for quests or exams.