

**Course Description:** An preparatory course for algebra, covering the mathematics of signed numbers, fundamental operations in algebra, graphs of linear equations with one and two variables, exponents and polynomials, roots and radicals.

**Course Objectives:**

- 1) To develop algebraic skills.
- 2) To apply algebraic skills to problem solving.
- 3) To create an attitude of confidence in the student regarding his/her math ability.
- 4) To provide a solid foundation for success in future mathematic courses.

**Textbook:** Ignacio Bello. Introductory Algebra, 2nd ed., McGraw-Hill, 2006.

**Instructional Materials Needed:** Pencils, two notebooks (one for weekly notes, one for homework).

**Teaching Strategies:** Lectures, class examples, homework, two exams (covering first four chapters), final (all topics covered)

**Standards:**

- 1) Attendance: students are expected to be on time and prepared for class. Three times late to class will be treated as an absence and will be reflected in your final grade.
- 2) Homework: students will be required to turn in all homework assignments related to a specific exam on the day of the exam. No late homework will be accepted. You must **SHOW ALL WORK**. On the homework paper put **NAME, DATE OF ASSIGNMENT, AND ASSIGNMENT IN UPPER RIGHT HAND CORNER. CIRCLE ALL ANSWERS**.
- 3) Exams: All work must be shown to receive credit for a problem.

**Grading Criteria:**

Attendance	20%
Homework	20%
Exams 1 & 2	30%
Final Examination	30% (no makeup allowed)

## Math I (tentative) Calendar

<u>Date</u>	<u>Sections to be covered</u>
9/7	1.2
9/12 & 9/14	1.3, 1.4
9/19 & 9/21	1.5, 1.7
9/26 & 9/28	2.1, 2.2
10/3 & 10/5	2.3, 3.1
10/10	review
10/12	Exam 1 (1.2 – 3.1)
10/17 & 10/19	3.2, 3.3
10/24 & 10/26	3.4, 4.1
10/31 & 11/2	4.2, 4.4
11/7 & 11/9	4.5, 4.6
11/14	4.7
11/16	no class
11/21	review
11/23	Thanksgiving
11/28	Exam 2 (3.2 – 4.7)
11/30 & 12/5	9.1, 9.2
12/7	review
12/12	Final Examination (all inclusive)

## Assignments:

<u>Date</u>	<u>Assignments</u>
9/7	page 36 9 - 40 all
9/14	page 86 1, 4 - 13, 18 - 28
9/21	page 101 2 - 14 even page 104 1 - 29 odd
9/28	page 121 7 - 30 all
10/5	page 134 15 - 23 odd page 141 21 - 25 all page 148 3 - 11 odd 21 - 29 odd
10/12	page 172 1 - 26 all
10/19	Exam on Chapters 1,2 & 3 so no homework
10/26	page 239 2 - 36 even page 241 1 - 13 odd 25 - 35 odd
11/2	page 268 1 - 42 all skip 4,5
11/9	page 281 2 - 16 even page 288 15 - 31 odd page 292 1 - 4, 14 - 16
11/16	page 325 10 - 26 even page 331 3 - 30 every 3rd page 339 4 - 48 every 4th
11/23	Thanksgiving Break so no homework
12/7	page 362 1 - 29 odd Exam on 5, 6 & 7 bring questions for review
12/14	Review for final
12/21	Final Examination (Chapters 1 - 7)