

Department of Mathematics and Computing
La Sierra University

MATH 006 - Introductory Algebra (4 units)

Departmental Syllabus

Winter 2009

Text Aufmann, Barker & Lockwood *Beginning Algebra with Applications* 7th edition (2008) Houghton-Mifflin. You will cover all of chapters 1 through 8 and sections 9.1 through 9.5

Calculators: A scientific (graphing or non-graphing) calculator will be useful on some homework assignments. However, you should not rely on a calculator as a substitute for computational skills. Calculators WILL NOT be allowed for use on quizzes, tests, exams or the final exam. Be sure you can do the problems without a calculator.

Bulletin Description : Review of arithmetic and a study of elementary algebra. This course will emphasize problem solving using algebra. Does not apply toward any mathematics or computer science program, or toward the general requirements in natural sciences and mathematics. Prerequisite: Appropriate score on placement examination.

Course Objectives The student will master the concepts of elementary algebra (High School Algebra I). She or he will be prepared to take MATH 007 Intermediate Algebra. He or she will lay a solid intellectual foundation and develop effective study habits for success in future mathematics courses. He or she will be able to perform standard arithmetical calculations, including on integers, fractions, and decimals, without the use of a calculator. She or he will memorize and be able to use necessary formulas.

Plagiarism You are encouraged to seek assistance from faculty or students in doing your homework. However work that is done primarily by someone else is unacceptable and may result in your failing the course. Cheating on quizzes, tests, exams or papers means an automatic zero on that occasion, a letter to the dean, and possible further disciplinary action.

Learning Support & Testing Center Tutors are available at the Learning Support Center. Videos and computer help is also available. Please make use of every aid provided. Phone 785-2453

Disability La Sierra University complies with the Americans with Disabilities Act (ADA) and Section 504 of the Rehabilitation Act of 1973. Any student with a documented disability (physical, learning, or psychological) needing academic accommodations should contact the Office of Disability Services (ODS) as early in the quarter as possible. All discussions will remain confidential. Please contact the ODS (La Sierra Hall, Suite 100 – 951-785-2412) for additional information. Students who qualify for accommodations, must bring their ODS paperwork to their instructor no less than 3 school days before they wish such accommodations to take effect.

Math Anxiety: A support group for math anxiety meets in the Counseling Center located in the lower level of La Sierra Hall. If you are interested in individual counseling, joining a group, or finding out more about math anxiety, please contact the counselors at x2011.

Grading Scheme Grades for this class will be
 Homework at 10%,
 In-class Tests & Quizzes at 60%,
 Final Exam at 25%, and
 Participation at 5% (Participation includes 2% for lab performance).

This course is a prerequisite for Math 007. Therefore, you must pass this class with a grade of “C” or better to continue.

| Letter Grade | Percentage |
|--------------|------------|
| A range | 90-100 |
| B range | 80-89 |
| C range | 65-79 |
| F | 0-64 |

No grade of D-, D, D+, or C- will be assigned.

Test and Exams Tests and exams must be taken at the scheduled time. Cell phones and pagers must be turned off. Prior arrangements to miss a test must be made with the teacher. You must make arrangements with the Dean of the College of Arts and Sciences to take the final exam at a non-scheduled time.

First Week Course Outline and Assignment

| DATE | | Sections | Assignment |
|------------|---------------|----------|--|
| Jan 5 | <i>M</i> | 1.1, 2 | Multiples of 5 including “Applying Concepts” |
| Jan 6 | <i>T</i> | 1.3, 4 | Multiples of 5 including “Applying Concepts” |
| Jan 7 or 8 | <i>W or R</i> | 2.1 | Multiples of 5 including “Applying Concepts” |
| Jan 8 or 9 | <i>R or F</i> | 2.2 | Multiples of 5 including “Applying Concepts” |

Summary of Requirements: In order to receive a passing grade all of the following criteria must be met:

- You must attend at least 80% of scheduled classes.
- You must attend at least 80% of weekly lab hours.
- You must pass the final exam with a score at least equivalent to a C.
- You must have a combined overall average of C or better.

***Modifications and Exceptions**

1. The Mathematics and Computer Science Department reserves the right to modify this syllabus with reasonable notice.
2. Exceptions to these policies are handled on an individual basis by the Mathematics and Computer Science Department
3. For other requirements and policies see the current La Sierra University Bulletin.