

**LEMOYNE-OWEN COLLEGE
DIVISION OF NATURAL SCIENCES,
MATHEMATICS AND
COMPUTER SCIENCE**

Syllabus for Math 125, Concepts of Algebra / Geometry

INSTRUCTOR: Ali Mostafavi **OFFICE:** GOH 1 00 C

PHONE: 901/774-9090 extension 1423

OFFICE HOURS: Posted on office door or by appointment

TEXTBOOK: Mathematical Ideas 9th edition by Miller/Heeren/Hornsby Jr.

COURSE DESCRIPTION: The following topics will be discussed in this course: concepts of algebra; functions, graphs, and systems of equations and inequalities, geometry; counting methods; probability; and statistics.

COURSE OUTLINE:

- Chapter 7 The Basic Concepts of Algebra
- Chapter 8 Graphs, Functions, and Systems of Equations and Inequalities (Sections 1-3, 7 and 8)
- Chapter 9 Geometry (Sections 1-5)
- Chapter 10 Counting Methods (selected Sections)
- Chapter 11 Probability (Sections 1, 2)
- Chapter 12 Statistics (Sections 1, 2)
- Chapter 13 Consumer Mathematics (Section 1)

MAKE-UP POLICY: Quizzes: There will be NO make-ups. Tests: Any student with an excused absence MUST contact the instructor prior to class so arrangements can be made for an appropriate make-up time.

TUTORING: The Academic Skills Center (GOH 208) has a mathematics tutor available Monday-Thursday, 8 am - 2 p.m. Also, your instructor is available during his office hours or by appointment.

EVALUATION PROCEDURES:

1. There will be four 100-point tests during the session, the lowest of which will be dropped. The test questions will be similar in format to the examples in the book and the homework problems.
2. Periodic ten point quizzes will be given which will be accumulated in order to compute as a 100-point test score.
3. The final examination will be worth 100 points.

FINAL GRADE: The highest possible cumulative point total for the quizzes, tests, and final examination is 500 points. Take your number and divide by 5 to calculate your grade by the scale below.

A: 90-100 B: 80-89 C: 70-79 D: 60-69 F: Below 60