

Foust
9/20/07

LANE COMMUNITY COLLEGE ADULT BASIC & SECONDARY EDUCATION

Math 3-Term 2

INSTRUCTOR: Mary Foust Phone: 463-5723
CLASS TIME: M-TH 10:30-11:30 Bldg.11 Rm. 257
OFFICE: Bldg 11 Room 211
OFFICE HOURS: M-F-8:30-9:30

COURSE DESCRIPTION

The second term of Math 3 will explore how math is used in professional technical careers such as health occupations, construction, manufacturing and sales while preparing students to pass the math GED test. The course will emphasize problem solving and practical applications related to the occupational fields emphasizing understanding from basic principles rather than rote application of mathematical procedures. The course will include: plane geometry, coordinate geometry and algebra.

COURSE OUTLINE

Week 4/3: Course overview and review
Week 4/7: Perimeter and Area
Week 4/14: Parallel lines, perpendicular lines and angles
Week 4/21: Similar and congruent triangles
Week 4/28: Scale drawings and volume
Week 5/5: Review – Midterm assessment – measures of central tendency
Week 5/12: Coordinate geometry
Week 5/19: Pythagorean theorem
Week 5/26: Algebra – signed numbers, slope of a line,
Week 6/2: Algebra – solve equations
Week 6/9: Exit tests

COURSE OBJECTIVES

Upon successful completion of the course, students should be able to:

- Understand and calculate mean, median and mode.
- Use the properties of triangles to establish congruence and similarity.
- Understand and use formulas to calculate perimeter, area, and volume.
- Calculate distance using Pythagorean theorem.
- Use order of operations to simplify expressions
- Evaluate expressions with roots and powers

REQUIRED MATERIALS

Books and instructional materials will be provided by ABSE department.
Recommended: Three-ring binder, notebook paper for note-taking

EVALUATION

GRADING: Math 3 is a non-graded course. Progress will be demonstrated by review tests, completeness of assignments and increased test scores on CASAS and GED Practice Tests.

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COURSE REQUIREMENTS

Completion of ABE/GED Orientation
Underage students must submit required H.S. Options paperwork

COURSE POLICIES

Attendance is required for satisfactory completion of course work. A student may incur unexcused absences equal to the number of meetings per week (4) within a four week period after which the instructor has the option of dropping the student from the class.

(16-17 year old students): Attendance is required and is reported to each school on a regular basis. It is the right of the high school to revoke a release if a student is not attending. If you are unable to attend a class, you are required to call the instructor.

CLASSROOM ENVIRONMENT

Respect: The instructor and students will be responsible for maintaining a respectful learning community. Everyone is entitled and encouraged to ask questions and participate in class activities.

Disruptions: If any student is disruptive or disrespectful, the instructor will ask the student to leave class. The student may return to the next class session after meeting with the instructor to clarify the situation.

Electronic Devices: Please turn off your cell phones, pagers, and MP3 players during class.

If you need support or assistance because of a disability, you may be eligible for academic accommodations through Disability Services. For more information, contact Disability Services at (541) 463-5150 (voice) or 463-3079 (TTY), or stop by Building 1, Room 218.