MATH 120 - Fundamentals of College Mathematics (3 Credits)

DESCRIPTION:

Topics include problem solving, sets, probability, statistics, geometry, and consumer mathematics. It may include logic, mathematical systems, measurement, and graph theory. Course is broad in scope, emphasizing applications. Prerequisite: MATH 095 with a grade of C or better; or a satisfactory ACT/SAT/Placement Test score.

TEXT:

When Are We Ever Going To Use This Stuff?, 4th Edition; Matovina & Yates
NOTE: Full-time instructors have the right to use no text or a different text.

OUTLINE:

Cover all sections in Chapters 1-6

OUTCOMES:

a. Determine the probability and odds of an event.
b. Determine the expected value of an event.
c. Read, create and understand tree diagrams.
d. Work with basic statistical operations.
e. Identify, interpret, and create various statistical graphs and plots.
f. Calculate perimeters and areas.
g. Work with congruent and similar triangles.
h. Solve problems involving simple and compound interest.
i. Perform basic calculations with installment buying and mortgages.
j. Apply and extend all concepts.

EVALUATION:

Grades will be determined by student performance in one or more of the following areas: in-class tests, take-home tests, homework assignments, quizzes, special projects, papers, attendance, and class participation. Degree of importance and types of assessment used will depend on the instructor.

This course satisfies or partially satisfies the Math component of a degree or certificate program at CSN.

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