

MATH 096 - Intermediate Algebra (3 Credits)

DESCRIPTION:

Topics include rational expressions and equations, linear equations and inequalities, radicals, quadratic equations, graphs, and applications. Prerequisite: Math 095 with a grade of C or better; or a satisfactory ACT/SAT/Placement Test score.

TEXT:

Beginning and Intermediate Algebra, 4th Edition, Lial, Hornsby, and McGinnis

NOTE: Full-time instructors have the right to use no text or a different text.

OUTLINE:

Ch 05 - A one-day review of factoring is suggested.

Ch 06 - Sections 6.1 - 6.7

Ch 10 - Sections 10.1 - 10.7

Ch 11 - Sections 11.1, 11.2, 11.3, and 11.5

Ch 03 - Sections 3.3 and 3.4

Ch 07 - Sections 7.1 - 7.3

Ch 08 - Sections 8.1, 8.2, 8.3, and 8.5

Note: In Section 8.5 exclude problems which have three or more variables.

Ch 09 - Section 9.3

OUTCOMES:

- a. Work with functions and function notation.
- b. Graph functions.
- c. Solve systems of linear equations.
- d. Work with rational expressions and solve rational expression equations.
- e. Perform arithmetic on irrational numbers.
- f. Solve non-linear equations.
- g. 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. However, at least 50% of the course grade used is to be determined by proctored individual exams/assessments.

This course DOES NOT satisfy the Math component of a degree or certificate program at CSN.