

MATH-105 : Mathematical Theory & Computation I

The courses are logically divided into four primary areas: arithmetic, geometry, algebra, and problem solving. Each of the four areas is studied in both terms. The theory of problem solving is an integral part of all aspects of the courses. The study of arithmetic includes the theory arithmetic operations and the development of skills in computation; number theory and patterns in sequences of numbers are used to introduce the basics of mathematical proofs. The study of geometry includes identification of plane and solid geometric shapes, computations of perimeter, area and volume, and trigonometry of right triangles. The study of algebra includes basic algebraic operations, computation using functions, and graphing.

Credits 3

Term Offered

Fall Only

Session Cycle

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