COLUMBUS STATE COMMUNITY COLLEGE
MATHEMATICS DEPARTMENT
COURSE SYLLABUS

Course Number: MATH 153

Course Name: Calculus and Analytic Geometry III

Credit Hour: 5

Quarter Offered: Autumn, Winter, Spring, and Summer

Prerequisite: MATH 152 with a grade of "C" or higher

COURSE DESCRIPTION

Continuation of differential and integral calculus: Infinite sequences and series, conic sections, plane curves and polar coordinates, vectors in the plane and in space, analytic geometry in space, applications to problems in science and engineering. An introduction to vector valued functions is included.

TEXTBOOK

Calculus: Early Transcendental Functions, 4th Edition, Larson/Hostetler/Edwards, Houghton-Mifflin, 2007.

UNITS OF INSTRUCTION

9.1 - 9.10, 10.1-10.5, 11.1-11.7, 12.1-12.2