MATH 1101
Mathematical Modeling (3 hrs.)
Mathematics Department
Valdosta State University

REQUIRED TEXT: College Algebra: In Context: with applications for the managerial, life & social sciences (6th Edition) by Harshbarger and Yocco; access code to MyMathLab also required. (Available through Day-1 in Blazeview.)

CALCULATOR: TI-83, TI-83+, TI-84, or TI-84+ *(REQUIRED)*

COURSE DESCRIPTION: A study of algebraic topics from a modeling perspective using different types of functions including linear, quadratic, polynomial, exponential, and logarithmic. Emphasis is on gathering, presentation, and interpretation of data by using real-world examples as models.

LEARNING OUTCOMES: Upon successful completion of this course, students will be able to:
(1) represent quantitative relationships from a variety of applications, appropriate mathematical models, and use such models to solve real-world problems;
(2) extract, express, manipulate, and evaluate quantitative information in algebraic, graphical, numeric, and verbal form; and
(3) use appropriate technology to manipulate and evaluate quantitative information.

VSU GENERAL EDUCATION OUTCOMES:
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