

Montgomery County Community College
MAT 223
Differential Equations
4-4-0

COURSE DESCRIPTION:

A course primarily in differential equations and related topics. Topics include differential equations of the first order, linear differential equations of higher orders, systems of differential equations, LaPlace transforms, numerical methods, and applications. It can be taken concurrently with MAT 202 or MAT 220. A graphing calculator is required for class, homework, and testing. Classroom instruction and programs will be presented using a TI-86/TI92.

REQUISITES:

Previous Course Requirements

LEARNING OUTCOMES	LEARNING ACTIVITIES	EVALUATION METHODS
4. Use appropriate technology in relevant differential equations concepts.	Lectures Small Group Discussions and/or Projects The Use of Technology Homework Quizzes Projects	Exams Quizzes Homework Projects

COURSE APPROVAL:

Prepared by: Aileen Conway, Assoc. Professor of Mathematics Date: 4/1998

Revised by: Aileen D. Conway, Assoc. Professor of Mathematics Date: 1/2003

Revised by: Walter R. Hunter, Professor of Mathematics Date: 10/2004

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