



Mendocino College

COURSE LEVEL STUDENT LEARNING OUTCOMES

Term Effective:	Spring	2008
	Semester	Year

Title:
(limit to 50 characters including spaces)

Course Number:

Initiator:

Date Submitted:

Units Min: *If this is a variable unit course, then the relationship between units and any difference in expected SLO's should be explained.*
 Units Max:

Lecture Hours: Lab Hours: Activity Hours:

Student Learning Outcomes: *(Enter the SLO's in an outline format. Use the Ctrl + Tab keys to indent for subtopics.)*

- Distinguish ordinary differential equations by order and type.
- Distinguish and utilize appropriate techniques to solve single separable, exact, linear differential equations.
- Use numerical techniques to approximate solutions to differential equations.
- Analyze and use the characteristic equation to help solve higher order nonhomogeneous differential equations with constant coefficients.
- Apply matrix techniques to solve systems of linear differential equations.
- Analyze, model, and solve applied science problems with ordinary differential equations such as population growth and decay, cooling and heating of objects, spring-mass systems with forcing and damping, and multi-compartment mixture problems.

SIGNATURES / APPROVALS:

Instructor(s) _____
 Signature _____ Date _____

Instructor(s) _____
 Signature _____ Date _____