

DEPARTMENT OF MATHEMATICS SYLLABUS

Course # & Name: MAT 128C: Numerical Analysis

Recommended Text(s) & Price: "Numerical Analysis," 8th Edition, by
Burden/Faires

Prepared by: Jack Milton UPC Approval Date: Spring 1994
(Updated by - Angela Cheer) (Updated Fall 2005)

Lecture(s)	Sections	Comments/Topics
16	5.1 – 5.11	Initial-Value Problems for Ordinary Differential Equations
6-7	11.1 – 11.5	Boundary-Value Problems for Ordinary Differential Equations
5	12.1 – 12.3	Numerical Solutions to Partial Differential Equations
27-28 Lectures Total		

Additional Notes:

There is a midterm and final scheduled for this course.

5-6 computational problems involving the solution of stated problems using the computer are assigned throughout the quarter. Normally, 1-2 weeks are allowed for their completion.