

## DEPARTMENT OF MATHEMATICS SYLLABUS

**Course # & Name:** MAT 128B: Numerical Analysis in Solution of Equations

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

**Prepared by:** Kurowski      **UPC Approval Date:** Spring 1990  
(Updated by - Angela Cheer)      (Updated Fall 2005)

Lecture(s)	Sections	Comments/Topics
8	Chapter 2 (2.1 – 2.6)	
6	Chapter 6 (6.1 – 6.7)	Note: Sections 6.4 and 6.5 should be regarded as review material from MAT 22A)
6	Chapter 7 (7.1 – 7.5)	
4	Chapter 9 (9.1 – 9.3)	
3	Chapter 10 (10.1 – 10.2 and brief coverage of 10.3 and 10.4)	
27 Lectures Total (Note: This may leave one unassigned lecture.)		

### Additional Notes:

There is a midterm and final scheduled for this course.

Topics may be taken in the order specified above or Chapter 10 may be done before Chapter 9.

5-6 computation problems involving the solution of stated problems using the computer are assigned throughout the quarter. Normally, one week is allowed for completion.