Advanced Numerical Analysis

General Course Information

Prerequisites: Numerical Analysis (I) and (II)

Note: Most important material of the course will be presented in class, so attendance is imperative.

Textbooks:


A Tentative Course Outline:

1. Basic Concepts in Error Estimation

2. Some Topics in Interpolation and Approximation
3. **Numerical Integration**

4. **Solving Scalar Nonlinear Equations**

**Assessment:**
- Homework and class presentation 20%
- Midterm 30%
- Final Exam 50%