

Math 490D, Spring 2003, Tentative Schedule:

Date	Section/Topic
Tu 1/28/03	Ch.1 – Introduction to PDE's, Importance of Numerical Solutions
Th 1/30/03	Ch.1 – Definitions, Characteristics, and Boundary Conditions
Tu 2/4/03	Ch.1 – Characteristics and BC's
Th 2/6/03	Ch.2 – Finite Difference Methods for Hyperbolic Equations
Tu 2/11/03	Ch.2 – Finite Difference Methods for Hyperbolic Equations
Th 2/13/03	Ch.2 – Finite Difference Methods for Hyperbolic Equations
Tu 2/18/03	Ch.2 – Finite Difference Methods for Parabolic Equations
Th 2/20/03	Ch.2 – Finite Difference Methods for Parabolic Equations
Tu 2/25/03	Ch.2 – Finite Difference Methods for Parabolic Equations
Th 2/27/03	Ch.2 – Finite Difference Methods for Elliptic Equations
Tu 3/4/03	Ch.2 – Finite Difference Methods for Elliptic Equations
Th 3/6/03	Ch.2 – Finite Difference Methods for Elliptic Equations
Tu 3/11/03	Review for Midterm Exam
Th 3/13/03	Midterm Exam
Tu 3/18/03	Ch.3 – Finite Element Methods for Elliptic Equations
Th 3/20/03	Ch.3 – Finite Element Methods for Elliptic Equations
Tu 3/25/03	Spring Break
Th 3/27/03	Spring Break
Tu 4/1/03	Ch.3 – Finite Element Methods for Elliptic Equations

Date	Section/Topic
Th 4/3/03	Ch.3 – Finite Element Methods for Elliptic Equations
Tu 4/8/03	Ch.3 – Finite Element Methods for Parabolic Equations
Th 4/10/03	Ch.3 – Finite Element Methods for Parabolic Equations
Tu 4/15/03	Ch.3 – Finite Element Methods for Parabolic Equations
Th 4/17/03	Ch.3 – Finite Element Methods for Hyperbolic Equations
Tu 4/22/03	Ch.3 – Finite Element Methods for Hyperbolic Equations
Th 4/24/03	Ch.3 – Finite Element Methods for Hyperbolic Equations
Tu 4/29/03	Ch.4–5 – Additional Topics in Accuracy, Error Reduction, Additional Methods
Th 5/1/03	Ch.4–5 – Additional Topics in Accuracy, Error Reduction, Additional Methods
Tu 5/6/03	Ch.4–5 – Additional Topics in Accuracy, Error Reduction, Additional Methods
Th 5/8/03	Ch.4–5 – Additional Topics in Accuracy, Error Reduction, Additional Methods
Tu 5/13/03	Review for Final Exam
Tu 5/20/03	Final Exam