MA 650, SECTION A, FALL 2006

Course Description: Introduction to mathematical models; classification of second-order partial differential equations; boundary-value and initial-boundary-value problems of partial differential equations; integral transforms; uniqueness and continuous dependence on data; first-order equations.

Text: Applied Partial Differential Equations by Paul DuChateau and David Zachmann; Dover Publications Inc.

Course Format: There is a 150-minute lecture each week.

Grades: Grades will be assigned on the basis of 500 points distributed as follows.

Midterm examination	80 points
homework	300 points
Final examination	120 points
Total	500 points

Examinations: One 150-minute midterm examination will be given on November the 6th. The final examination will be given in the final examination week.

Sections Included in lectures: 1.1–1.6; 2.1–2.7; 3.1–3.3; 4.1–4.3; 5.1–5.4; 6.1–6.3; 7.1–7.3.

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Wed. Fri. 11:45 am – 1:30 pm
and by appointment