

MA 341.002, Fall 2004, Grading and Syllabus

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Text: *Differential Equations and Boundary Value Problems (Fourth Edition)*
 by Nagle, Saff and Snider
Grading: 25% each from tests 1-3 and comprehensive final exam:
 A+ = 98-100, A = 93-97+, A- = 90-92+
 B+ = 88-89+, B = 83-87+, B- = 80-82+
 C+ = 78-79+, C = 73-77+, C- = 70-72+
 D+ = 68-69+, D = 63-67+, D- = 60-62+

Dates	Sections	Topics
8-19-04 Th	1.1-1.2	Solutions of Initial Value Problems
8-24-04 Tu	1.3	Direction Fields
8-26-04 Th	1.4,3,6	Euler Numerical Methods
8-31-04 Tu	2.1,2.2,3.2	Separation of Variables Method
9-02-04 Th	2.3,2.4,3.3	Linear and Exact Methods
9-06-04 M	LABOR DAY	
9-07-04 Tu	4.1,4.2	Second Order Linear Equations
9-09-04 Th	4.3	Homogeneous Solution for Complex Roots
9-14-04 Tu	4.8	Vibrations and Review
9-16-04 Th	TEST ONE	
9-21-04 Tu	4.4,4.5	Inhomogeneous Solution, Undetermined Coefficients
9-23-04 Th	4.6,4.9	Variation of Parameters
9-28-04 Tu	4.8,5.6	Resonance and Tuning
9-30-04 Th	7.1,7.2	Laplace Transforms
10-05-04 Tu	7.3,7.4	Basic Properties and Inverse Transform
10-07,08-04	FALL BREAK	
10-12-04 Tu	7.5	Solving More Initial Value Problems
10-14-04 Th	7.6	Discontinuous Functions
10-19-04 Tu	7.6,7.7	Convolution, Periodic Functions and Review
10-21-04 Th	TEST TWO	
10-26-04 Tu	5.1,5.2	Systems and Elimination Method
10-28-04 Th	5.3,5.3,5.4	Phase Plane, Numerical Solution and Applications
11-02-04 Tu	9.1,9.2,9.3	Matrices and Vectors
11-04-04 Th	9.4	Linear Systems of ODEs
11-09-04 Tu	9.5	Homogeneous Systems and Real Eigenvalues
11-11-04 Th	9.6	Complex Eigenvalues
11-16-04 Tu	9.7	Nonhomogeneous Systems
11-18-04 Th	12.2	Stability in Linear Systems and Review
11-23-04 Tu	TEST THREE	
11-24,25,26-04	THANKSGIVING	
11-30-04 Tu	12.3	Stability for Weak Linear Systems
12-02-04 Th		Review
	COMPREHENSIVE FINAL EXAM	

