

TENATATIVE SCHEDULE - MA 341-002, FALL 2008  
Differential Equations and Boundary Value Problems (5-th Edition)  
by Nagle, Saff & Snider

Date	Day	Chpt. Sect	Comments	Software Demos IDE(CD-Rom)	Utility
21-Aug	H	1.1-1.2	Solutions & Initial Value Problems	Yes	
		1.3	Direction Fields	Yes	Direction field
26,28	T,H	1.4	Euler Approximations		Yes
		2.1-2.2	Separable Equations	Yes	Euler's Method
		2.3	First Order Linear Equations	Yes	
			<b>LABOR DAY</b>		
2-4-Sept	T,H	2.4	Exact Equations		
		3.2-3.5	Select Applications	Yes	
		3.2-3.5	Select Applications	Yes	
9,11	T,H	4.1-4.2	Introduction 2 <sup>nd</sup> Order Linear Equations		
		4.2	Constant Coefficients - Real Roots		
		4.3	Constant Coefficients - Complex Roots		
16,18	T,H		Review		
			<b>TEST #1</b>		
		4.4	Undetermined Coefficients		
23,25	T,H	4.5	Superposition		
		4.6	Variation of Parameters		
		4.9-10	Mechanical Vibrations		
30,1-Oct	T,H	4.9.10	Mechanical Vibrations		
		7.1-7.2	Laplace Transforms-Introduction & Definition		
		7.3	Properties		
7	T	7.4	Inverse Transforms		
			<b>FALL BREAK</b>		
14,16	T,H	7.5	Solving Initial Value Problems		
		7.6	Discontinuous & Periodic Functions		
		7.6	Discontinuous & Periodic Functions		
21,23			Review		
			<b>TEST #2</b>		
		9.1-9.2	Introduction, Linear Algebra		
28,30	T,H	9.3	Matrices & Vectors		
		9.4	Linear Systems in Normal Form	Yes	Matrix Operations
		9.5	Real Eigenvalues		
4,6-Nov	T,H	9.6	Complex Eigenvalues	Yes	Eigenvalues-Eigenvectors
		9.7	Nonhomogenous Systems		
		5.2	Elimination Method for Systems		
11,13	T,H	5.4	Phase Plane		
		5.4	Phase Plane		
		5.5,5.6 or 5.7	System Models in Applications		
18,20	T,H	5.5,5.6 or 5.7	System Models in Applications		
		12.2	Linear Systems in the Plane		
25	T		<b>TEST #3</b>		
<b>26-28</b>			<b>THANKSGIVING BREAK</b>		
2,4-Dec	T,H	12.3	Almost Linear Systems		
		12.4	Energy Methods		
			Review		