

Date	Topic	Notes	Recommended Homework
T: 8-29	First order ODEs	15-24	
TH: 8-31	First order ODEs	25-31	
T: 9-5	Theory / Direction Fields	47-52	Mission 1
TH: 9-7	Applications	32-46	
T: 9-12	Complex-Valued Functions	54-66	Mission 2
TH: 9-14	Smooth Operators	54-66	
T: 9-19	Solution of the n-th order problem	67-69	Mission 3
TH: 9-21	Method of Annihilators	70-73	
T: 9-26	Variation of Parameters	79-84	Mission 4
TH: 9-28	Applications	93-102	
T: 10-3	Questions		Mission 5
TH: 10-5	No class, Fall Break on 10-5 and 10-6		
T: 10-10	Test 1 (covers all material up to 10-3)		
TH: 10-12	Systems of ODEs matrices	123-141	
T: 10-17	e-vector technique	142-150	Mission 6 (not the series part)
TH: 10-19	Complex e-vectors	142-150	
T: 10-24	Matrix exp., nonhomog. systems	151-164	
TH: 10-26	Energy Analysis	195-196	Mission 7
T: 10-31	Laplace Transform technique	165-180	
TH: 11-2	Laplace Transform technique	165-180	
T: 11-7	Discontinuity, Dirac Delta technique	181-194	
TH: 11-9	Series solutions	103-111	Mission 8
T: 11-14	Cauchy Euler problem	87-92	
TH: 11-16	Singular points and Frobenius Method	112-120	
T: 11-21	Singular points and Frobenius Method	112-120	Mission 6 series part
TH: 11-23	PDEs		
T: 11-28	PDEs		
TH: 11-30	PDEs		
T: 12-5	Questions		
TH: 12-7	Test 2 (covers material up to 11-30)		
T: 12-12	PDE Project Due		
W: 12-13	Reading Day		
	Final Exam: see university schedule		

- No notes or notecards are permitted for the in-class exam, tests or quizzes.
- We have a quiz about once a week. I'm not generally going to announce it in advance.
- The recommended Missions are not comprehensive, you probably need to work additional examples to get up to speed. We have a text for this reason and I have many additional solutions on my website posted to help you. After each class we learn a new technique you should find problems which are representative and work them until you own the calculation. Practice is essential.
- Grades:
 - Test 1 = 200pts,
 - Test 2 = 200pts,
 - PDE Project = 100pts,
 - Quizzes & Participation = 200pts,
 - Final Exam = 300pts.