WEEK	DAY	DATE	TOPIC	HW Practice	ADV PPROB
Week 1	M	Jan 05			
	W	Jan 07	Integration Review	HW 1	
	F	Jan 09	Integration as a Solution	HW 2	
Week 2	M	Jan 12	Separable Equations	HW 3	
	W	Jan 14	Linear First Order	HW 4	
	F	Jan 16	Substitution	HW 5	ADV 1
Week 3	M	Jan 19	**NO CLASS – MLK DAY**		
	W	Jan 21	Exact Equations	HW 6	
	F	Jan 23	Population Models	HW 7	ADV 2
Week 4	M	Jan 26	Pause for Understanding	HW 8	
	W	Jan 28	Higher Order Linear Eqns	HW 9	
	F	Jan 30	Linear Constant Coef.	HW 10	ADV 3
Week 5	M	Feb 02	Linear Constant Coef.	HW 11	
	W	Feb 04	Non-Homogeneous	HW 12	
	F	Feb 06	Variation of Parameters	HW 13	ADV 4
Week 6	M	Feb 09	More Examples	HW 14	
	W	Feb 11	Boundary Value Problems	HW 15	
	F	Feb 13	Applications	HW 16	ADV 5
Week 7	M	Feb 16	Laplace Transform	HW 17	
	W	Feb 18	Laplace Transform	HW 18	
	F	Feb 20	Laplace Transform Tricks – convolutions	HW 19	ADV 6

Week 8	M	Feb 23	**SPRING BREAK**		
	W	Feb 25	**SPRING BREAK**		
	F	Feb 27	**SPRING BREAK**		
Week 9	M	Mar 02	Review of Power Series	HW 19	
	W	Mar 04	Series Solutions	HW 20	
	F	Mar 06	More Practice with Series	HW 21	ADV 7
Week 10	M	Mar 09	Regular Singular Points	HW 22	
	W	Mar 11	Method of Frobenius	HW 23	
	F	Mar 13	Bessel’s Equation	HW 24	ADV 8
Week 11	M	Mar 16	First Order Systems and Review of Matrices	HW 25	
	W	Mar 18	Homogeneous Systems	HW 26	
	F	Mar 20	Defective Cases	HW 27	ADV 9
Week 12	M	Mar 23	Non-Homogeneous Systems	HW 28	
	W	Mar 25	Applications of Systems	HW 29	
	F	Mar 27	Intro to Nonlinear Systems	HW 30	ADV 10
Week 13	M	Mar 30	Fixed Points and Stability and Bifurcations	HW 31	
	W	Apr 01	Applications of Nonlinear Systems	HW 32	
	F	Apr 03	Python Basics		ADV 11
Week 14	M	Apr 06	Numerical Solutions	HW 33	
	W	Apr 08	Euler's Method	HW 34	
	F	Apr 10	Programming Euler's Method	HW 35	ADV 12
Week 15	M	Apr 13	Make up Quizzes!		
	W	Apr 15	Last Day to Make up Quizzes!		