

WEEK	DAY	DATE	TOPIC	HW Practice	ADV PPROB
Week 1	M	Jan 06			
	W	Jan 08	Integration Review	HW 1	
	F	Jan 10	Integration as a Solution	HW 2	
Week 2	M	Jan 13	Separable Equations	HW 3	
	W	Jan 15	Linear First Order	HW 4	
	F	Jan 17	Substitution	HW 5	ADV 1
Week 3	M	Jan 20	NO CLASS – MLK DAY		
	W	Jan 22	Exact Equations	HW 6	
	F	Jan 24	Population Models	HW 7	ADV 2
Week 4	M	Jan 27	Pause for Understanding	HW 8	
	W	Jan 29	Higher Order Linear Eqns	HW 9	
	F	Jan 31	Linear Constant Coef.	HW 10	ADV 3
Week 5	M	Feb 03	Linear Constant Coef.	HW 11	
	W	Feb 05	Non-Homogeneous	HW 12	
	F	Feb 07	Variation of Parameters	HW 13	ADV 4
Week 6	M	Feb 10	More Examples	HW 14	
	W	Feb 12	Boundary Value Problems	HW 15	
	F	Feb 14	Applications	HW 16	ADV 5
Week 7	M	Feb 17	Laplace Transform	HW 17	
	W	Feb 19	Laplace Transform	HW 18	
	F	Feb 21	Laplace Transform Tricks – convolutions	HW 19	ADV 6

Week 8	M	Feb 24	Review of Power Series	HW 19	
	W	Feb 26	Series Solutions	HW 20	
	F	Feb 28	More Practice with Series	HW 21	ADV 7
Week 9	M	Mar 03	SPRING BREAK		
	W	Mar 05	SPRING BREAK		
	F	Mar 07	SPRING BREAK		
Week 10	M	Mar 10	Regular Singular Points	HW 22	
	W	Mar 12	Method of Frobenius	HW 23	
	F	Mar 14	Bessel's Equation	HW 24	ADV 8
Week 11	M	Mar 17	First Order Systems and Review of Matrices	HW 25	
	W	Mar 19	Homogeneous Systems	HW 26	
	F	Mar 21	Defective Cases	HW 27	ADV 9
Week 12	M	Mar 24	Non-Homogeneous Systems	HW 28	
	W	Mar 26	Applications of Systems	HW 29	
	F	Mar 28	Intro to Nonlinear Systems	HW 30	ADV 10
Week 13	M	Mar 31	Fixed Points and Stability and Bifurcations	HW 31	
	W	Apr 02	Applications of Nonlinear Systems	HW 32	
	F	Apr 04	Advanced Python Basics		ADV 11
Week 14	M	Apr 07	Numerical Solutions	HW 33	
	W	Apr 09	Euler's Method	HW 34	
	F	Apr 11	Programming Euler's Method	HW 35	ADV 12
Week 15	M	Apr 14	Runge Kutta	HW 36	
	W	Apr 16	Programming Runge Kutta		