Tentative Daily Schedule for MATH 2080-141
Summer I (online) 2017

May

Monday	Tuesday	Wednesday	Thursday	Friday
		(83:17) **17** Lectures 1.1--3 (Sec. 1.1--3, 2.3, 8.1) ODEs. Euler's method. *Classes Begin*	(89:52) **18** Lectures 2.1--3 (Sec. 2.1--3) 1st order ODEs *Last Day to Add*	(92:30) **19** Lectures 2.4&5 (Sec. 2.4&6) Solving inhomog. ODEs
(106:50) **22** Lectures 2.6--8 (Sec. 2.3&5) Mixing problems Logistic equation *Last drop: No W*	(78:26) **23** Lectures 3.1&2 (Sec. 4.1--3) 2nd order ODEs	(54:39) **24** Lecture 3.3 (Sec. 4.5) Undetermined coefficients	(98:49) **25** Lecture 3.4&5 (Sec. 4.4&6) Harmonic motion	(76:48) **26** Lectures 3.6&7 (Sec. 4.7) Variation of params. Cauchy-Euler eqns.
(76:34) **29** Lectures 3.8&9 (Sec. 9.1—9.6) Power series solutions.	(96:23) **30** Lectures 4.1&2 (Sec. 3.1) Matrix algebra	(69:22) **31** Lectures 4.3&4 (Sec. 3.2&3) Systems of ODEs **MIDTERM 1**	(74:40) **1** Lectures 4.5&6 (Sec. 3.3&4) Phase portraits: real & complex	(88:31) **2** Lectures 4.7&8 (Sec. 3.5&6) Phase portraits: repeated & stability

June

Monday	Tuesday	Wednesday	Thursday	Friday
(85:10) **5** Lectures 4.9&5.1 (Sec. 4.7&5.1) Var. of params. Laplace transforms	(57:52) **6** Lectures 5.2 (Sec. 5.2--4) Inverse Laplace transforms	(90:40) **7** Lectures 5.3&4 (Sec. 5.5&6) Piecewise & periodic functions	(55:34) **8** Lecture 5.5&6 (Sec. 5.7&8) Impulse functions. Convolution. *Last day to drop*	(56:63) **9** Lecture 6.1&2 (Sec. 10.1&2) Fourier series
(86:47) **12** Lectures 6.3&4 (Section 10.2) Fourier cosine & sine series	(64:40) **13** Lectures 6.5&6 (Sec. 10.3) Parseval's ident., sums & BVPs.	(88:21) **14** Lecture 7.1--3 (Sec. 11.1--3&A) Heat & transport equation **MIDTERM 2**	(82:59) **15** Lectures 7.4--6 (Sec. 11.4&6&B) Wave equation. Harmonic f'ns & Lapace's eqn.	(71:21) **16** Lectures 7.7&8 (Sec. 11.6) 2D PDEs
(85:17) **19** Lectures 8.1—8.2 (Sec. 7.1—7.3) Nonlinear ODEs. Linearization at steady-states.	(41:43) **20** Lecture 8.3 (Sec. 7.3&7.4) Predator-prey models *Last Day of Class*	**21** *Study Day*	**22** **FINAL EXAM**	**23**