Tentative Daily Schedule for MATH 2080-241
Summer II (online) 2016

June

Monday	Tuesday	Wednesday	Thursday	Friday
		(83:17) **22** Lectures 1.1--3 (Sec. 1.1--3, 2.3, 8.1) ODEs. Euler's method. *Classes Begin*	(89:52) **23** Lectures 2.1--3 (Sec. 2.1--3) 1st order ODEs *Last Day to Add*	(92:30) **24** Lectures 2.4&5 (Sec. 2.4&6) Solving inhomog. ODEs
(106:50) **27** Lectures 2.6--8 (Sec. 2.3&5) Mixing problems Logistic equation *Last drop: No W*	(78:26) **28** Lectures 3.1&2 (Sec. 4.1--3) 2nd order ODEs	(54:39) **29** Lecture 3.3 (Sec. 4.5) Undetermined coefficients	(98:49) **30** Lecture 3.4&5 (Sec. 4.4&6) Harmonic motion	(76:48) **1** Lectures 3.6&7 (Sec. 4.7) Variation of params. Cauchy-Euler eqns.

July

Monday	Tuesday	Wednesday	Thursday	Friday
4 Holiday No Classes	(76:34) **5** Lectures 3.8&9 (Sec. 9.1—9.6) Power series solutions.	(96:23) **6** Lectures 4.1&2 (Sec. 3.1) Matrix algebra **MIDTERM 1**	(69:22) **7** Lectures 4.3&4 (Sec. 3.2&3) Systems of ODEs	(74:40) **8** Lectures 4.5&6 (Sec. 3.3&4) Phase portraits: real & complex
(88:31) **11** Lectures 4.7&8 (Sec. 3.5&6) Phase portraits: repeated & stability	(??:??) **12** Lectures 4.9&5.1 (Sec. 4.7&5.1) Var. of params. Laplace transforms	(57:52) **13** Lectures 5.2 (Sec. 5.2--4) Inverse Laplace transforms	(90:40) **14** Lectures 5.3&4 (Sec. 5.5&6) Piecewise & periodic functions	(55:34) **15** Lecture 5.5&6 (Sec. 5.7&8) Impulse functions. Convolution. *Last day to drop*
(56:63) **18** Lecture 6.1&2 (Sec. 10.1&2) Fourier series	(86:47) **19** Lectures 6.3&4 (Section 10.2) Fourier cosine & sine series	(64:40) **20** Lectures 6.5&6 (Sec. 10.3) Parseval's ident., sums & BVPs. **MIDTERM 2**	(88:21) **21** Lecture 7.1--3 (Sec. 11.1--3&A) Heat & transport equation	(82:59) **22** Lectures 7.4--6 (Sec. 11.4&6&B) Wave equation. Harmonic f'ns & Lapaces eqn.
(71:21) **25** Lectures 7.7&8 (Sec. 11.6) 2D PDEs	(85:17) **26** Lectures 8.1—8.2 (Sec. 7.1—7.3) Nonlinear ODEs. Linearization at steady-states.	(41:43) **27** Lecture 8.3 (7.3&7.4) Predator-prey models *Last Day of Class*	**28** *Study Day*	**29** **FINAL EXAM**

August

Monday	Tuesday	Wednesday	Thursday	Friday
1	**2** *Grades Due*	**3**	**4**	**5**