Math 307 I — Spring 2017 Schedule

Week 1 M 3/27 Intro, calculus review, §2.2: separable equations W 3/29 §2.1: integrating factors Vewing 1 Quiz 1: separable equations, calculus F 3/31 §2.3: first order modeling I Homework due, §2.1, 2.2 W 4/5 §2.5: autonomous equations F 4/7 §2.7: Euler's method Week 3 M 4/10 §2.4, 2.8: linear equations; existence and uniqueness Homework due, §2.3, 2.5 Catch up and review Quiz 2: chapter 2 §3.1: homogeneous, constant coefficient equations Week 4 M 4/17 §3.2: the Wronskian Homework due, §2.4, 2.7, 2.8 Homework due, §2.4, 2.7, 2.8 Week 4 M 4/19 §3.3: second order questions and complex roots F 4/21 §3.3: second order questions and complex roots Week 5 M 4/24 §3.4: repeated roots, reduction of order Homework due, §3.1, 3.2 Autorial properties of the part of				
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Week 2 M 4/3 §2.3: first order modeling II Homework due, §2.1, 2.2 W 4/5 §2.5: autonomous equations F 4/7 §2.7: Euler's method Week 3 M 4/10 §2.4, 2.8: linear equations; existence and uniqueness Homework due, §2.3, 2.5 Catch up and review Quiz 2: chapter 2 P 4/14 §3.1: homogeneous, constant coefficient equations Week 4 M 4/17 §3.2: the Wronskian Homework due, §2.4, 2.7, 2.8 Homework due, §3.3; second order questions and complex roots F 4/21 §3.3: second order questions and complex roots F 4/21 §3.4: repeated roots, reduction of order Homework due, §3.1, 3.2 Catch up and review F 4/28 Midterm Week 5 M 5/1 §3.5: non-homogeneous DE's I Homework due, §3.3, 3.4 Weight and the properties of the prope				Quiz 1: separable equations, calculus
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F 5/19 §6.1: Laplace transform		W	5/17	§3.8, 6.1: Laplace transform
		F	5/19	§6.1: Laplace transform

Week 9	M	5/22	§6.1, 6.2: initial value problems via Laplace
			Homework due, §3.8
	W	5/24	§6.2: initial value problems via Laplace
	F	5/26	§6.3: step functions
			Homework due, §6.1, 6.2
Week 10	M	5/29	No class (Memorial Day)
	W	5/31	§6.4 discontinuous forcing
			Quiz 4 : §6.1-§6.3
	F	6/2	Review
			Homework due, §6.3, 6.4
Week 11	М	6/5	Final , emphasis on chapters 3 and 6. In lecture room, 2:30-4:20pm.