

Instructor: D. Xu (dashunxu@siu.edu)

MATHEMATICS 305 Spring 2022

OFFICE: Neckers A 273

PHONE: 453-6598

OFFICE HOURS: 9:55am—12pm or by appointment

CALCULATOR: None Allowed!

BOOK: *Elementary Differential Equations & Boundary Value Problems*, by Boyce and DiPrima 10th ed.

Tentative Schedule

Week 1	1.1-1.3; 2.1-2.2	Week 8	3.5, 3.6
Week 2	2.2, 2.6	Week 9	4.1, 4.2
Week 3	2.6, 2.5	Week 10	4.3, 4.4
Week 4	2.5, 2.4	Week 11	10.1
Week 5	3.1,	Week 12	10.2, 10.3
Week 6	3.2, 3.3	Week 13	10.3, 10.4
Week 7	3.4, 3.5	Week 14	10.5

Exams

Week 5 (Exam 1)	Week 12/13 (Exam 2)	Final Exam	
Friday?	Friday?		
Time for the final posted by registrar's office			

Grading Scale

90 ↑ A	80 ↑ B	70 ↑ C	60 ↑ D	59 ↑ F
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Grades

Each midterm exam is 20% of your grade	40%
Homework	25%
Final	35%
Attendance (bonus)	3%

Important Dates

Grading Information

Last Day to drop with Refund: 01/21` ; Last Day to drop w/o Refund: 03/27

Tentative homework schedule: If time permits, part of Chap 5 will be also covered.

Date	Homework	
Week 1		
Week 2	1.3: 1-6, 8, 9;; 2.1: find the general sol. to 1,3,5,7, 8 2.1: 9,11(part c), 13, 15, 17, 19;; 2..2: 1, 2, 5, 6, 7, 13(a,c);; optional: 23	
Week 3	2.1: 8, 20; 2.2: find the solution to 14, 22; 2.6: 2, 3, 4, 5, 7, 8, 2.6: 9, 13, 14 (find the solution); 2.6: 18, 22, 25, 26, 27;;	
Week 4	2.6: 28, 30 2.4: 2, 5, 7, 11, 2.4: 28, 29, 30, 31 2.4: 31	

Week 5	2.5: 3, 4, 7, 10 3.1: 1, 3, 9, 13, 15, 20	Exam 1 Fri?
Week 6	3.2: 3, 5, 9, 11, 13, 26 3.3: 12, 15, 3.3: 18,19, 22;	
Week 7	3.4: 7, 9, 10, 11, 13, 23,25, 27, 30	
Week 8	3.5: 1, 5, 3, 6, 7, 8, 10, 15, 21-25(a)	
Week 9	3.5: 15, 16, 17, 18, 19. 3.6: 3, 4, 5, 7, 13, 14, 16, 17 4.1: 14, 15 4.2: 13, 16,	
Week 10	4.2: 14, 17, 19, 22, 23, 24, 29, 31, 33, 35 4.3:4, 7, 9,	
Week 11	4.3:1, 3, 6, 9, 10, 4.3: 12, 13, 16, 18 4.4: 2, 3, 6, 9, 10	
Week 12	10.1: 1, 3, 4, 5 10.1: 2, 14, 16, 18	Exam 2 Fri?
Week 13	10.2: 1, 2, 13, 14, 15 10.3: 1, 2, 3,	
Week 14	10.3: 7a, 9a, 11a 10.4: 7, 8, 9, 15, 16, 24(a,b) 10.5: 1, 2, 5, 6, 7, 8	
Week 15	Practice for the final: Midterm exams and practice exams,	