

MATH 132, Unit 2 Plan

Mon	Tues	Wed	Thurs	Fri
Feb 3, 2025	Feb 4, 2025	Feb 5, 2025	Feb 6, 2025	Feb 7, 2025
5.7-II Numerical Integration: Midpoint, Trapezoid, Simpson's	Check-In: Improper Integrals D 5.7-II	Review Absolute Area (4.6) Due: • RQ 6.1 • DC 5.7-II • W 5.7-I	6.1 Volumes by Slicing Due: • RQ 6.2 • W 5.7-II	D 6.1
Feb 10, 2025	Feb 11, 2025	Feb 12, 2025	Feb 13, 2025	Feb 14, 2025
Exam 1 (Ch 5)	6.2 Volumes by Shells Due: • RQ 6.3 • DC 6.1	D 6.2	6.3 Arc Length and Surface Area Due: • RQ 6.4-I • DC 6.2 • W 6.1	D 6.3
Feb 17, 2025	Feb 18, 2025	Feb 19, 2025	Feb 20, 2025	Feb 21, 2025
6.4-I Applications: Mass/Density, Work/Force (p 542-543, 544-545, Ex 1-3) Due: • RQ 6.4-II • DC 6.3 • W 6.2	Check-In: Volumes D 6.4-I	6.4-II Applications: Hydrostatic Force, Centroids (p 543-544, 545-547, Ex 4-7) Due: • RQ 6.5-I • DC 6.4-I • W 6.3	D 6.4-II	6.5-I Differential Equations, IVPs, Separable DEs (p 559-561, Ex 1) Due: • RQ 6.5-II • DC 6.4-II • W 6.4-I
Feb 24, 2025	Feb 25, 2025	Feb 26, 2025	Feb 27, 2025	Feb 28, 2025
D 6.5-I	6.5-II Slope Fields, Euler's Method (p 561-563, Ex 2-3) Due: • RQ 6.5-III • DC 6.5-I • W 6.4-II	D 6.5-II	Check-In: Real World Apps 6.5-III Applications (p 563-565, Ex 4) Due: • RQ 7.1 • DC 6.5-II • W 6.5-I	D 6.5-III
Mar 3, 2025	Mar 4, 2025	Mar 5, 2025	Mar 6, 2025	Mar 7, 2025
<i>Spring Break</i>	<i>Spring Break</i>	<i>Spring Break</i>	<i>Spring Break</i>	<i>Spring Break</i>
Mar 10, 2025	Mar 11, 2025	Mar 12, 2025	Mar 13, 2025	Mar 14, 2025
Check-In: Diff. Eqtns. Wrap up Ch 6 Due: • DC 6.5-III • W 6.5-II	7.1 Sequences Due: • RQ 7.2 • W 6.5-III	Exam 2 (Ch 6)	D 7.1	7.2 Limits of Sequences

Section	Discussion Problems	Challenge (Bonus)	Written	Recommended Additional Practice
6.1	27, 41, 42, 43, 44, 47, 55*, 59, 61	45, 60, 63, 64	31	32, 33, 34, 35-40, 48-50, 51-54, 58*, 62
6.2	3, 21, 23, 39, 40, 41, 42, 49, 51, 58, 62	63, 70	31	29, 30, 32, 46, 48, 53, 55, 57, 66, 67
6.3	8, 19, 25, 33, 39, 53, 61, 65, 71, 73	16, 74	35	21, 27, 34, 37, 42, 68, 69
6.4-I	9, 19, 25, 27, 43, 46, 50, 51, 53, 59	47, 57	55	2, 3, 4, 14, 15, 20, 21, 22, 41, 45, 49, 52, 54, 58
6.4-II	5, 13, 23, 31, 33, 35, 37, 39, 61, 63, 67	69, 70, 71	65	16, 32, 34, 36, 38, 40, 62, 64, 66
6.5-I	3, 5, 10, 11, 20, 21, 23, 27, 29, 31, 33, 39, 45, 49		37	22, 24, 25, 28, 30, 34, 35, 41, 46, 50, 51, 52
6.5-II	53, 55, 59, 60, 62		61	54, 46, 57, 58, 63, 64
6.5-III	7, 16, 17, 18, 65, 66, 69, 70, 72		67	68, 71, 73

*6.1 #55 and 58: Find the value of the integral exactly, by hand. (No computer assistance is needed for these.)