

Note: The numbers (X.Y) after each topic indicate that the content corresponds to Chapter X Section Y of the textbook.

Date	Lec # / Rec	Content	HW Due
Mon, 8/19	Lecture 01	Regions between curves (6.2)	
Tue, 8/20	Recitation	Introduction; syllabus quiz	
Wed, 8/21	Lecture 02	Volumes by slicing (6.3)	
Thu, 8/22	Recitation	HW01 Q&A; no quiz	01
Fri, 8/23	Lecture 03	Volumes by shells (6.4)	
Mon, 8/26	Lecture 04	Arc length and surface area (6.5, 6.6)	
Tue, 8/27	Recitation	HW02, HW03 Q&A; Quiz 01: Lecture 01 content	02, 03
Wed, 8/28	Lecture 05	Physical applications I (6.7)	
Thu, 8/29	Recitation	HW04 Q&A; Quiz 02: Lectures 02 & 03 content	04
Fri, 8/30	Lecture 06	Physical applications II (6.7)	
Mon, 9/2		No class: Labor Day	
Tue, 9/3	Recitation	HW05, HW06 Q&A; Quiz 03: Lecture 04 content	05, 06
Wed, 9/4	Lecture 07	Integration approaches; integration by parts (8.1, 8.2)	
Thu, 9/5	Recitation	HW07 Q&A; Quiz 04: Lectures 05 & 06 content	07
Fri, 9/6	Lecture 08	Trigonometric integrals I (8.3)	
Mon, 9/9	Lecture 09	Trigonometric integrals II (8.3)	
Tue, 9/10	Recitation	HW08, HW09 Q&A; Quiz 05: Lecture 07 content	08, 09
Wed, 9/11	Lecture 10	Trigonometric substitutions I (8.4)	
Thu, 9/12	Recitation	HW10 Q&A; Quiz 06: Lectures 08 & 09 content	10
Fri, 9/13	Lecture 11	Trigonometric substitutions II (8.4)	
Mon, 9/16	Lecture 12	Partial fraction decompositions I (8.5)	
Tue, 9/17	Recitation	HW11, HW12 Q&A; Quiz 07: Lecture 10 content	11, 12
Wed, 9/18	Lecture R1	Midterm 1 reviews	
Thu, 9/19	Recitation	Midterm 1 reviews	
	Midterm 1	Covering Lectures 01–11 6:30–7:30 pm, Thursday, September 19 Elliot Hall of Music (ELLT)	
Fri, 9/20	Lecture 13	Partial fraction decompositions II (8.5)	
Mon, 9/23	Lecture 14	Improper integrals (8.9)	
Tue, 9/24	Recitation	HW13 Q&A; Quiz 08: Lectures 11 & 12 content	13
Wed, 9/25	Lecture 15	Sequences and series overview (10.1)	
Thu, 9/26	Recitation	HW14 Q&A; Quiz 09: Lecture 13 content	14
Fri, 9/27	Lecture 16	Sequences (10.2)	

Date	Lec # / Rec	Content	HW Due
Mon, 9/30	Lecture 17	Series (10.3)	
Tue, 10/1	Recitation	HW15, HW16 Q&A; Quiz 10: Lecture 14 content	15, 16
Wed, 10/2	Lecture 18	The divergence and integral tests (10.4)	
Thu, 10/3	Recitation	HW17, HW18 Q&A; Quiz 11: Lectures 15 & 16 content	17, 18
Fri, 10/4		No class: evening exam compensation 1	
Mon, 10/7		No class: Fall break	
Tue, 10/8		No class: Fall break	
Wed, 10/9	Lecture 19	The comparison tests (10.5)	
Thu, 10/10	Recitation	HW19 Q&A; Quiz 12: Lectures 17 & 18 content	19
Fri, 10/11	Lecture 20	Alternating series (10.6)	
Mon, 10/14	Lecture 21	Ratio and root tests (10.7)	
Tue, 10/15	Recitation	HW20 Q&A; Quiz 13: Lecture 19 content	20
Wed, 10/16	Lecture 22	Choosing a convergence test (10.9)	
Thu, 10/17	Recitation	HW21, HW22 Q&A; Quiz 14: Lecture 20 content	21, 22
Fri, 10/18	Lecture 23	Approximating functions with polynomials (11.1)	
Mon, 10/21	Lecture R2	Midterm 2 reviews	
Tue, 10/22	Recitation	Midterm 2 reviews	
	Midterm 2	Covering Lectures 12–20 8–9 pm, Tuesday, October 22 Elliot Hall of Music (ELLT)	
Wed, 10/23	Lecture 24	Remainders of Taylor polynomials (11.1)	
Thu, 10/24	Recitation	HW23, HW24 Q&A; Quiz 15: Lectures 21 & 22 content	23, 24
Fri, 10/25	Lecture 25	Radii and intervals of convergence for power series I (11.2)	
Mon, 10/28	Lecture 26	Term-by-term differentiation and integration (11.2)	
Tue, 10/29	Recitation	HW25 Q&A; Quiz 16: Lectures 23, 24 content	25
Wed, 10/30	Lecture 27	Taylor and Maclaurin series (11.3)	
Thu, 10/31	Recitation	HW26, HW27 Q&A; Quiz 17: Lecture 25 content	26, 27
Fri, 11/1	Lecture 28	Limits, derivatives, and integrals by Taylor series (11.4)	
Mon, 11/4		No class: evening exam compensation 2	
Tue, 11/5		No class: Election Day	
Wed, 11/6	Lecture 29	Polar coordinates I (12.2)	
Thu, 11/7	Recitation	HW28, HW29 Q&A; Quiz 18: Lectures 26 & 27 content	28, 29
Fri, 11/8	Lecture 30	Polar coordinates II (12.2)	

Date	Lec # / Rec	Content	HW Due
Mon, 11/11	Lecture R3	Midterm 3 reviews	
Tue, 11/12	Recitation	Midterm 3 reviews	
	Midterm 3	Covering Lectures 21–28 8–9 pm, Tuesday, November 12 Elliot Hall of Music (ELLT)	
Wed, 11/13	Lecture 31	Area and arc length in polar coordinates (12.3)	
Thu, 11/14	Recitation	HW30, HW31 Q&A; Quiz 19: Lectures 28 & 29 content	30, 31
Fri, 11/15	Lecture 32	Vectors in the plane (13.1)	
Mon, 11/18	Lecture 33	Vectors in three dimensions (13.2)	
Tue, 11/19	Recitation	HW32, HW33 Q&A; Quiz 20: Lectures 30 & 31 content	32, 33
Wed, 11/20	Lecture 34	Dot products (13.3)	
Thu, 11/21	Recitation	HW34 Q&A; Quiz 21: Lectures 32 & 33 content	34
Fri, 11/22	Lecture 35	Cross products (13.4)	
Mon, 11/25		No class: evening exam compensation 3	
Tue, 11/26		No class: Thanksgiving break	
Wed, 11/27		No class: Thanksgiving break	
Thu, 11/28		No class: Thanksgiving break	
Fri, 11/29		No class: Thanksgiving break	35
Mon, 12/2	Lecture R4	Final exam reviews	
Tue, 12/3	Recitation	Final exam reviews	
Wed, 12/4	Lecture R5	Final exam reviews	
Thu, 12/5	Recitation	Final exam reviews	
Fri, 12/6	Lecture R6	Final exam reviews	
	Final Exam	Covering everything in this course Time and location TBD	