Date	Lec # / Rec	Content	HW Due
Mon, 8/25	Lecture 01	Vectors in the plane (13.1)	
Tue, 8/26	*Recitation*	*Welcome; Syllabus quiz*	
Wed, 8/27	Lecture 02	Vectors in three dimensions (13.2)	
Thu, 8/28	*Recitation*	*Salon 0: How to attend critical thinking salons?*	
Fri, 8/29	Lecture 03	Dot products (13.3)	
Mon, 9/1		No class: Labor Day	
Tue, 9/2	*Recitation*	*Salon 1: Curious quadrilaterals*	
Wed, 9/3	Lecture 04	Cross products (13.4)	01, 02, 03
Thu, 9/4	*Recitation*	*Review of HW 01–03; Quiz 1*	
Fri, 9/5	Lecture 05	Regions between curves (6.2)	04
Mon, 9/8	Lecture 06	Volumes by slicing (6.3)	05
Tue, 9/9	*Recitation*	*Salon 2: Ceiling lights*	
Wed, 9/10	Lecture 07	Volumes by shells (6.4)	06
Thu, 9/11	*Recitation*	*Review of HW 04–05; Quiz 2*	
Fri, 9/12	Lecture 08	Arc length & surface area (6.5, 6.6)	07
Mon, 9/15	Lecture 09	Physical applications I (6.7)	08
Tue, 9/16	*Recitation*	*Salon 3: Donut for breakfast*	
Wed, 9/17	Lecture 10	Physical applications II (6.7)	09
Thu, 9/18	*Recitation*	*Review of HW 06–08; Quiz 3*	
Fri, 9/19	Lecture 11	Integration approaches; integration by parts (8.1, 8.2)	10
Mon, 9/22	Lecture R1	Midterm 1 reviews	
Tue, 9/23	*Recitation*	*Midterm 1 reviews*	
	Midterm 1	**Covering Lectures 01–10 8–9 pm, Tuesday, September 23 Elliot Hall of Music (ELLT)**	
Wed, 9/24	Lecture 12	Trigonometric integrals I (8.3)	11
Thu, 9/25	*Recitation*	*Review of HW 09–11; Quiz 4*	
Fri, 9/26	Lecture 13	Trigonometric integrals II (8.3)	12
Mon, 9/29	Lecture 14	Trigonometric substitutions I (8.4)	13
Tue, 9/30	*Recitation*	*Salon 4: A tale of two integrals*	
Wed, 10/1	Lecture 15	Trigonometric substitutions II (8.4)	14
Thu, 10/2	*Recitation*	*Review of HW 12–13; Quiz 5*	
Fri, 10/3	Lecture 16	Partial fraction decompositions I (8.5)	15
Mon, 10/6	Lecture 17	Partial fraction decompositions II (8.5)	16
Tue, 10/7	*Recitation*	*Salon 5: How many ways to integrate?*	
Wed, 10/8	Lecture 18	Improper integrals (8.9)	17
Thu, 10/9	*Recitation*	*Review of HW 14–16; Quiz 6*	
Fri, 10/10		No class	
Mon, 10/13		No class: Fall break	
Tue, 10/14		*No class: Fall break*	
Wed, 10/15	Lecture 19	Sequences and series overview (10.1)	18
Thu, 10/16	*Recitation*	*Review of HW 17–18; Quiz 7*	
Fri, 10/17	Lecture 20	Sequences (10.2)	19
Mon, 10/20	Lecture R2	Midterm 2 reviews	
Tue, 10/21	*Recitation*	*Midterm 2 reviews*	
	Midterm 2	**Covering Lectures 11–18 8–9 pm, Tuesday, October 21 Elliot Hall of Music (ELLT)**	
Wed, 10/22	Lecture 21	Series (10.3)	20
Thu, 10/23	*Recitation*	*Salon 6: What does convergence mean?*	
Fri, 10/24	Lecture 22	The divergence and integral tests (10.4)	21

Mon, 10/27	Special Lecture	Let's chat about GPT	
Tue, 10/28	*Recitation*	*Salon 7: Slowest divergence*	
Wed, 10/29	Lecture 23	The comparison tests (10.5)	22
Thu, 10/30	*Recitation*	*Review of HW 19–21; Quiz 8*	
Fri, 10/31	Lecture 24	Alternating series (10.6)	23
Mon, 11/3	Lecture 25	Ratio and root tests (10.7)	24
Tue, 11/4	*Recitation*	*Salon 8: Alternating deep dive*	
Wed, 11/5	Lecture 26	Choosing a convergence test (10.9)	25
Thu, 11/6	*Recitation*	*Review of HW 22–24; Quiz 9*	
Fri, 11/7	Lecture 27	Approximating functions with polynomials (11.1)	26
Mon, 11/10	Lecture 28	Remainders of Taylor polynomials (11.1)	27
Tue, 11/11	*Recitation*	*Salon 9: All tools in one box*	
Wed, 11/12	Lecture 29	Radii and intervals of convergence for power series I (11.2)	28
Thu, 11/13	*Recitation*	*Review of HW 25–27; Quiz 10*	
Fri, 11/14	Lecture 30	Term-by-term differentiation and integration (11.2)	29
Mon, 11/17	Lecture 31	Taylor and Maclaurin series (11.3)	30
Tue, 11/18	*Recitation*	*Salon 10: About this round*	
Wed, 11/19	Lecture R3	Midterm 3 reviews	
Thu, 11/20	*Recitation*	*Midterm 3 reviews*	
	Midterm 3	**Covering Lectures 19–28** **6:30–7:30 pm, Thursday, November 20** **Elliot Hall of Music (ELLT)**	
Fri, 11/21	Lecture 32	Limits, derivatives, and integrals by Taylor series (11.4)	31
Mon, 11/24		No class	
Tue, 11/25		*No class: Thanksgiving break*	
Wed, 11/26		No class: Thanksgiving break	
Thu, 11/27		*No class: Thanksgiving break*	
Fri, 11/28		No class: Thanksgiving break	
Mon, 12/1	Lecture 33	Polar coordinates I (12.2)	32
Tue, 12/2	*Recitation*	*Salon 11: A familiar acquaintance*	
Wed, 12/3	Lecture 34	Polar coordinates II (12.2)	33
Thu, 12/4	*Recitation*	*Review of HW 28–32; Quiz 11*	
Fri, 12/5	Lecture 35	Area and arc length in polar coordinates (12.3)	34, 35
Mon, 12/8	Lecture R4	Final exam reviews	
Tue, 12/9	*Recitation*	*Final exam reviews*	
Wed, 12/10	Lecture R5	Final exam reviews	
Thu, 12/11	*Recitation*	*Final exam reviews*	
Fri, 12/12	Lecture R6	Final exam reviews	
	Final Exam	**Covering everything in this course** **7–9 pm, Monday, December 15** **Elliot Hall of Music (ELLT)**	