

Calendar for Calculus II, Spring 2009

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This is a week-by-week calendar of topics covered in Calculus II.

Week	Dates	Section	Topics
1	1/20–1/24	5.1	Areas and Distances
		5.2	The definite integral
		5.3	Evaluating definite integrals
		5.5	The Substitution Rule
2	1/27–1/31	6.1	Integration by parts
		6.2	Trigonometric Integrals and Substitution
3	2/2–2/6	6.3	Integration by Partial Fraction Decomposition
		6.4	Integration with tables and Computer Algebra Systems
4	2/9–2/13	6.5	Approximate Integration
		6.6	Improper Integrals
5	2/16–2/20	7.1	Areas between Curves
		7.2	Volumes
6	2/23–2/27	7.3	Volumes by Cylindrical Shells
		7.4	Arc length
		7.5	Applications of Integration
7	3/2–3/6	7.5	Applications of Integration
		Midterm	
8	3/9–3/13	7.6	Differential Equations
SB	3/16–3/20	Spring Break	
9	3/23–3/27	8.1	Sequences
		8.2	Series
10	3/30–4/3	8.3	The integral and comparison tests
		8.4	Other convergence tests
11	4/6–4/10	8.5	Power Series
		8.6	Representing Functions as Power Series
12	4/13–4/17	8.7	Taylor and Maclaurin series
		8.8	Applications of Taylor Polynomials
13	4/20–4/24	9.1	Parametric Curves
		9.2	Calculus with parametric curves

Week	Dates	Section	Topics
14	4/27-4/31	9.3	Polar Coordinates
		9.4	Areas and lengths in Polar Coordinates
15	5/4	Catch up and Review (MW only)	
F	5/8	Final Exam: 2:00-3:50pm	