Calendar for Calculus II, Spring 2010

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

Week	Dates	Section	Topics
1	1/18–1/21	5.1	Areas and Distances
		5.2	The definite integral
		5.3	Evaluating definite integrals
		5.5	The Substitution Rule
2	1/25–1/28	6.1	Integration by parts
		6.2	Trigonometric Integrals and Substitution
3	2/1–2/4	6.3	Integration by Partial Fraction Decomposition
		6.4	Integration with tables and Computer Algebra Systems
4	2/8–2/11	6.5	Approximate Integration
		6.6	Improper Integrals
5	2/15–2/18	7.1	Areas between Curves
		7.2	Volumes
6	2/22–2/25	7.3	Volumes by Cylindrical Shells
		7.4	Arc length
7	3/1–3/4	7.5	Applications of Integration
		Midterm	
8	3/8–3/11	7.6	Differential Equations
SB	3/15–3/19	**Spring Break**	
9	3/22–3/25	8.1	Sequences
		8.2	Series
10	3/29–4/1	8.3	The integral and comparison tests
		8.4	Other convergence tests
11	4/5–4/8	8.5	Power Series
		8.6	Representing Functions as Power Series
12	4/12–4/15	8.7	Taylor and Maclaurin series
		8.8	Applications of Taylor Polynomials
13	4/19–4/22	9.1	Parametric Curves
		9.2	Calculus with parametric curves
14	4/26–4/29	9.3	Polar Coordinates
		9.4	Areas and lengths in Polar Coordinates

Week	Dates	Section	Topics
15	5/3	Catch up and Review (MW sections)	
16	5/10	**Final Exam: 12:00–1:50pm**	