

Calendar for Calculus I, Spring 2009

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

Week	Dates	Section	Topics
1	1/20-1/23	1.1	Functions and their Representations
		1.2	A catalog of essential functions
2	1/26-1/30	1.3	The limit of a function
		1.4	Calculating Limits
3	2/2-2/6	1.5	Continuity
		1.6	Limits involving Infinity
4	2/9-2/13	2.1	Derivatives and rates of change
		2.2	The derivative as a function
		2.3	Basic differentiation rules
5	2/16-2/20	2.4	The product and quotient rules
		2.5	The chain rule (TR) ¹
6	2/23-2/27	2.5	The chain rule (MW)
		2.6	Implicit differentiation
		2.8	Linear approximations and differentials (TR)
7	3/2-3/5	2.8	Linear approximations and differentials (MW)
		3.1	Exponential functions (TR)
		Midterm	
8	3/9-3/13	3.1	Exponential functions (MW)
		3.2	Inverse functions and logarithms
		3.3	Derivatives of Logarithmic and Exponential Functions
		3.5	Inverse trigonometric functions
SB	3/16-3/20	Spring Break (no classes)	
9	3/23-3/27	4.1	Maximum and Minimum Values
		4.2	The Mean Value Theorem
		4.3	Derivatives and the shapes of curves
10	3/30-4/3	4.4	Curve sketching
11	4/6-4/10	4.5	Optimization problems
12	4/13-4/17	5.1	Areas and distances
		5.2	The definite integral

Week	Dates	Section	Topics
13	4/20-4/24	5.3	Evaluating definite integrals
		5.4	The Fundamental Theorem of Calculus
14	4/27-5/1	5.5	The Substitution Rule
15	5/4	Catch up and Review (MW only)	
F	5/8	Final Exam: 2:00-3:50pm	

¹ No classes meet on February 16 (Presidents' Day). So the MW and TR schedules are out of sync for a few weeks.