

Calendar for Calculus I, Spring 2010

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

Week	Dates	Section	Topics
1	1/18–1/21	1.1	Functions and their Representations
		1.2	A catalog of essential functions
2	1/25–1/28	1.3	The limit of a function
		1.4	Calculating Limits
3	2/1–2/4	1.5	Continuity
		1.6	Limits involving Infinity
4	2/8–2/11	2.1	Derivatives and rates of change
		2.2	The derivative as a function
		2.3	Basic differentiation rules
5	2/15–2/18	2.4	The product and quotient rules
		2.5	The chain rule
6	2/22–2/25	2.6	Implicit differentiation
		2.8	Linear approximations and differentials
7	3/1–3/4	3.1	Exponential functions
		3.2	Inverse functions and logarithms
		3.3	Derivatives of Logarithmic and Exponential Functions
		Midterm	
8	3/8–3/11	3.4	Exponential growth and decay
		3.5	Inverse trigonometric functions
SB	3/15–3/19	Spring Break	
9	3/22–3/25	4.1	Maximum and Minimum Values
		4.2	The Mean Value Theorem
10	3/29–4/1	4.3	Derivatives and the shapes of curves
		4.4	Curve sketching
11	4/5–4/8	4.5	Optimization problems
		4.7	Antiderivatives
12	4/12–4/15	5.1	Areas and distances
		5.2	The definite integral
13	4/19–4/22	5.3	Evaluating definite integrals
		5.4	The Fundamental Theorem of Calculus

Week	Dates	Section	Topics
14	4/26-4/29	5.5	The Substitution Rule
			Catch up and Review (TR sections)
15	5/3		Catch up and Review (MW sections)
16	5/10		Final Exam: 12:00-1:50pm