

Math 21B: Calculus II
Fall 2016, Sections B01-B02
Lecture Schedule

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Below is a list of the topics we intend to cover, along with a rough time outline. Actual schedule is subject to change without notice. Last updated November 20th, 2016.

Week	Topic	Chapters
9/21 – 9/23	Review Math 21A	
	Area and Estimating with Finite Sums	5.1
9/26 – 9/30	Sigma Notation and Limits of Finite Sums	5.2
	The Definite Integral	5.3
	The Fundamental Theorem of Calculus	5.4
	Antiderivatives	4.8
10/3 – 10/7	Indefinite Integrals and Integration by Substitution	5.5
	Numerical Integration	8.7
	The Logarithm Defined as an Integral	7.1
10/10 – 10/14	Exponential Change and Separable Differential Equations	7.2
	Review for Exam 1	
	Exam 1: Friday, October 14	
10/17 – 10/21	Applications of Differential Equations	7.2
	Integration by Parts	8.2
	Trigonometric Integrals	8.3
10/24 – 10/28	Trigonometric Substitutions	8.4
	Partial Fractions	8.5
	Review of Integration Topics	
10/31 – 11/4	Volumes Using Cross Sections	6.1
	Volumes of Revolution	6.2
11/7 – 11/9	Review for Exam 2	
	Exam 2: Wednesday, November 9	
11/11	<i>Veterans Day: No Class</i>	
11/14 – 11/18	Arc Length	6.3
	Surface Area of Revolution	6.4
	Work and Fluid Forces	6.5
	Moments and Center of Mass	6.6
11/21 – 11/23	Improper Integrals	8.8
11/24 – 11/25	<i>Thanksgiving Break: No Class</i>	
11/28 – 12/2	Parametrization of Planar Curves	11.1
	Calculus with Parametric Curves	11.2
	Review for Final Exam	
12/6	Final Exam: Tuesday, December 6th	