Date	Section	Topics	Comments
		Calculus I **Outline of Class Sessions**	
Date	Section	Topics	Comments
Week 1 Day 1	**Chap 1**	Syllabus, syllabus activity; Introductions, course materials, weekly assignments; Study Guide for Quiz; Finding and using the online text, Activity #1; group work	**Chapter 1: Relationships** **Discuss the idea of working in cooperative learning groups**
Day 2		Questions re: Quiz Class discussion / group work, Sections 1.2, 1.3	
Day 3		**Quiz** (first 30 minutes of class) Lecture / discussion, concepts up through Section 1.3 Introduce Section 1.4	**Quiz on prerequisite skills**
Week 2 Day 4		Section 1.4	**Talk about qualities of good group members**
Day 5		Section 1.5	Last day to drop/add
Day 6	**Chap 2**	Section 2.1	**Chapter 2: Models of Growth: Rates of Change** **Form permanent groups**
			Labor Day, no classes
Week 3 Day 7		Section 2.2	
Day 8		Section 2.3	
Week 4 Day 9		Section 2.4	**Test #1: Study Guide available**
Day 10			
Day 11		**Test #1**	**Test #1**
Week 5 Day 12		Section 2.5	**Project 1 available**
Day 13		Section 2.6 Project 1: Spread of AIDS / Transformation of data	
Day 14			
Week 6 Day 15	**Chap 3**	Section 3.1	**Chapter 3: Initial Value Problems** **Benchmark #1: Study Guide available**
Day 16		Section 3.2	
Day 17		Section 3.3	**Project 1 DUE**
Week 7 Day 18		Lecture: Power functions, exponential functions, transformations of data; Benchmark 1 (last 30 minutes of class)	**Benchmark #1: (dates of window of opportunity)**
Day 19	**Chap 4**	Section 4.1	**Chapter 4: Differential Calculus and Its Uses**
Day 20		Sections 4.2 and 4.3	
Week 8 Day 21		Lecture / Review	
Day 22		**Test #2**	**Test #2**
			Midterm: Oct 15 Long weekend: no clases on Friday

Week 9 Day 23		Section 4.4: The Product Rule	
Day 24		Section 4.5: The Chain Rule Project 2: Air Traffic Control, application of trigonometric functions	**Project 2 available**
Day 25		Section 4.6: Derivatives of Functions Defined Implicitly	
Week 10 Day 26		Class time to work on the project Section 4.7: General Power Rule	**Class time to work together on the Project 2**
Day 27		Section 4.8: Differentials and Leibnitz Notation	
Day 28	**Chap 5**	Introduce Chapter 5 Overview of the modeling process	**Chapter 5: Modeling with Differential Equations**
Week 11 Day 29		Section 5.1: Raindrops: three models Galileo's model, Stokes Law, velocity-squared model	**Project 2 DUE**
Day 30		Section 5.2: Euler's Method	
Day 31		Class activity on Euler's Method Review of Trigonometry	
Week 12 Day 32		Sections 5.3 and 5.4: Periodic Motion, Circular Functions, Sine and Cosine functions	
Day 33		Overview of trigonometry Derivatives of Sine and Cosine (Sections 5.3.4 - 5.3.6)	
Day 34			
Week 13 Day 35		Section 5.5: Trig and Inverse trig functions, Applications of Trigonometry	
Day 36		Section 5.6: Review of Methods of Differentiation	**Study Guide for Test #3 available**
Day 37		Review	
Day 38		**Test #3**	**Test #3**
			Thanksgiving break, no classes
Week 14 Day 39			**Benchmark #2: (dates of window of opportunity)**
Day 40			
Day 41			
Day 42			
Day 43			**Final Exam: (scheduled date and time)**