	Topic(s) covered and relevant readings	HW due and additional information	
WEEK 1: AUGUST 24–AUGUST 28			
MONDAY	Introduction to CLS		
TUESDAY	**ACTIVITY:** SIR Simulation (REMOTE class meeting)		
WEDNESDAY	Section 1.2: The spread of disease: the SIR model		
THURSDAY	Section 1.3: Prediction using SIR		
FRIDAY	**ACTIVITY:** Prediction using SIR		
WEEK 2: AUGUST 31-–SEPTEMBER 4			
MONDAY	Section 1.3: Prediction using SIR (continued)		
TUESDAY	Section 1.3: Prediction using SIR (continued)		
WEDNESDAY	**ACTIVITY:** More on SIR		
THURSDAY	Section 1.4: Functions and Graphs		
FRIDAY	**ACTIVITY:** Functions and graphs with Sage, part I	First individual assignment due	
WEEK 3: SEPTEMBER 7–SEPTEMBER 11			
MONDAY	LABOR DAY: NO CLASSES		
TUESDAY	Section 1.5: Linear functions		
WEDNESDAY	**ACTIVITY:** Functions and graphs with Sage, part II		
THURSDAY	Section 2.1: Rates of change		
FRIDAY	Section 2.2: Local linearity (differentiability)	Second individual assignment due	
WEEK 4: SEPTEMBER 14–SEPTEMBER 18			
MONDAY	**ACTIVITY:** Secant and tangent lines; rates of change		
TUESDAY	Section 2.3: A global view		
WEDNESDAY	**ACTIVITY:** Still more on SIR		
THURSDAY	Section 2.4: The chain rule		
FRIDAY	Section 2.4: The chain rule (continued)		
		Third individual assignment due	
WEEK 5: SEPTEMBER 21–SEPTEMBER 25			
MONDAY	**ACTIVITY:** Work on Exam 1		
TUESDAY	Section 2.5: More differentiation rules		
WEDNESDAY	**ACTIVITY:** Work on Exam 1		
THURSDAY	Section 2.6: The microscope equation		
FRIDAY	**ACTIVITY:** Differentiation rules		
WEEK 6: SEPTEMBER 28–OCTOBER 2		First take-home exam due	
MONDAY	**ACTIVITY:** The second derivative		
TUESDAY	Section 3.1: The (natural) exponential function		
WEDNESDAY	Section 3.1: The (natural) exponential function (continued)		
THURSDAY	Section 3.2: The logarithm function		
FRIDAY	Section 3.2: The logarithm function (continued)		
		Fourth individual assignment due	

	Topic(s) covered and relevant readings	HW due and additional information	
WEEK 7: OCTOBER 5–OCTOBER 9			
MONDAY	Section 3.2: The logarithm function (continued)		
TUESDAY	**ACTIVITY:** Modeling exponential growth and decay		
WEDNESDAY	Section 3.2: The logarithm function (continued)		
THURSDAY	**ACTIVITY:** The chain rule with exponentials and logaritms		
FRIDAY	**ACTIVITY:** Population growth with Sage		
WEEK 8: OCTOBER 12–OCTOBER 16			
MONDAY	Section 3.4: Modeling with differential equations		
TUESDAY	Section 3.5: Modeling populations		
WEDNESDAY	**ACTIVITY:** Monomers, Dimers, and Trimers		
THURSDAY	Section 3.6: Modeling other phenomena		
FRIDAY	**ACTIVITY:** More modeling with differential equations		
		Fifth individual assignment due	
WEEK 9: OCTOBER 19–OCTOBER 23			
MONDAY	Section 3.6: Modeling other phenomena (continued)		
TUESDAY	Section 3.6: Modeling other phenomena (continued)		
WEDNESDAY	Exam 2 discussion		
THURSDAY	**ACTIVITY:** Fermentation		
FRIDAY	Section 4.1: Power and Energy		
WEEK 10: OCTOBER 26–OCTOBER 30		Second take-home exam due	
MONDAY	**ACTIVITY:** Four fours		
TUESDAY	Section 4.2: Accumulation functions		
WEDNESDAY	Section 4.2: Accumulation functions (continued)		
THURSDAY	Section 4.3: Riemann sums		
FRIDAY	**ACTIVITY:** Riemann Sums		
WEEK 11: NOVEMBER 2–NOVEMBER 6			
MONDAY	**ACTIVITY:** The Boulder Flood		
TUESDAY	Digression: Let’s have “sum” fun		
WEDNESDAY	Section 4.4: The definite integral		
THURSDAY	Section 4.5: The Fundamental Theorem of Calculus		
FRIDAY	**ACTIVITY/discussion:** What if *dx* were one of us?		
WEEK 12: NOVEMBER 9–NOVEMBER 13		Term project draft due	
MONDAY	Section 5.1: Antiderivatives		
TUESDAY	Section 5.1: Antiderivatives (continued)		
WEDNESDAY	**ACTIVITY:** Polyhedra		
THURSDAY	**ACTIVITY:** Spirographs		
FRIDAY			
		Sixth individual assignment due	

	Topic(s) covered and relevant readings	HW due and additional information	
WEEK 13: NOVEMBER 16–NOVEMBER 20			
MONDAY	Section 5.1: Antiderivatives (continued)		
TUESDAY	Section 5.2: Integration by substitution		
WEDNESDAY	Section 5.2: Integration by substitution (continued)		
THURSDAY	Section 5.3: Separation of variables		
FRIDAY	Section 5.3: Separation of variables (continued)		
WEEK 14: NOVEMBER 23–NOVEMBER 27			
MONDAY	**ACTIVITY:** A bunch of wrap-up stuff		
TUESDAY	**ACTIVITY:** A bunch of wrap-up stuff	Third take-home exam due	
WEDNESDAY	**ACTIVITY:** A bunch of wrap-up stuff		
THURSDAY	THANKSGIVING BREAK—NO CLASSES		
FRIDAY	THANKSGIVING BREAK—NO CLASSES		
WEEK 15: NOVEMBER 30–DECEMBER 4			
MONDAY	**ACTIVITY:** TERM PROJECT PRESENTATIONS (remote)		
TUESDAY	**ACTIVITY:** TERM PROJECT PRESENTATIONS (remote)		
WEDNESDAY	**ACTIVITY:** TERM PROJECT PRESENTATIONS (remote)		
THURSDAY	**ACTIVITY:** TERM PROJECT PRESENTATIONS (remote)		
FRIDAY	**ACTIVITY:** TERM PROJECT PRESENTATIONS (remote)		
		Seventh individual assignment due	
WEEK 16: DECEMBER 7–DECEMBER 11			
MONDAY	**ACTIVITY:** TERM PROJECT PRESENTATIONS (remote)		
TUESDAY	READING DAY–NO CLASSES		