Calculus I with Applications
Fall 2018

Monday	Tuesday	Wednesday	Thursday	Friday
Aug. 27	**28**	**29**	**30**	**31** Classes begin
Sept. 3 No Classes Labor Day	**4**	**5**	**6**	**7**
10	**11**	**12**	**13**	**14**
17	**18**	**19**	**20** Quiz 1	**21**
24	**25**	**26**	**27**	**28**
Oct. 1	**2**	**3**	**4**	**5**
8	**9**	**10**	**11** Exam 1	**12**
15	**16**	**17**	**18**	**19**

Monday	Tuesday	Wednesday	Thursday	Friday
22	23	24	25	26
29	30	31	**Nov. 1** Quiz 2 Last day to withdraw	2
5	6	7	8	9
12	13	14	15 Exam 2	16
19	20	21 No Classes Thanksgiving	22 No Classes Thanksgiving	23 No Classes Thanksgiving
26	27	28	29	30
Dec. 3	4	5	6 Quiz 3	7
10	11	12	13 Last day of classes	14

Tentative Course Outline

Chapter	Section	Topic
2	2.4	Limits
	2.5	One-Sided Limits and Continuity
	2.6	The Derivative
3	3.1	Basic Rules of Differentiation
	3.2	The Product and Quotient Rules
	3.3	The Chain Rule
	3.5	Higher-Order Derivatives
	3.6	Implicit Differentiation and Related Rates
	3.7	Differentials
4	4.1	Applications of the First Derivative
	4.2	Applications of the Second Derivative
	4.4	Optimization I
	4.5	Optimization II
5	5.4	Differentiation of Exponential Functions
	5.5	Differentiation of Logarithmic Functions
12	12.3	Differentiation of Trigonometric Functions
6	6.1	Anti-Derivatives and the Rules of Integration
	6.2	Integration by Substitution
	6.3	Area and the Definite Integral
	6.4	Fundamental Theorem of Calculus