

Wk		Topics Term 1		Topics	Sec
1			Tue	<b>No class</b>	
	W-6	Course intro + calculus motivational example	Th	Course intro + calculus motivational example	
	F - 8	Lines in the plane			0.2
2	M -11	Functions I	Tue	Lines in the plane + functions I	0.2
	W-13	Functions II	Th	Functions II	0.3
	F-15	Functions III			0.4
3	M-18	Inverse functions	Tue	Functions III + Inverse functions	
	W-20	Velocity problem	Th	Tangent line + velocity problems	1.0
Q	F-22	Tangent line problem			1.0
4	M-25	Limits I	Tue	Limits I	1.1
	W-27	Limits II	Th	Limits II + III	1.2
HW	F-29	Limits III			1.2
5	M-2	Continuity	Tue	Continuity + IVT	1.3
	W-4	IVT	Th	More IVT	1.3
Q	F-6	More IVT examples			1.3
6	M-9	<b>No class (9/10 Thanksgiving Day)</b>	Tue	Def./Interpretation of derivative+ simple limit calculations	2.0
	W-11	Def./Interpretation of derivative + simple limit calculations	Th	Derivative at a point and as a function + simple tan. line prob.s	2.0, 2.1
HW	F-13	Derivative at a point and as a function			2.1
7	M-16	Power/Sum/Difference rules + simple tangent line problems	Tue	Power/Sum/Difference rules + differentiability	2.2
	W-18	More geometrical problems + Differentiability	Th	Exponentials + derivative of $\exp(x)$	2.2
Q	F-20	Exponentials + derivative of $\exp(x)$			
8	M-23	Review	Tue	Review	
<b>MT 24/10</b>	W-25	Product/Quotient rule	Th	Product/Quotient rule	2.3
	F-26	Practice on Product/Quotient rules			2.3
9	M-30	Trig I	Tue	Trig I + II/2	
	W-1	Trig II	Th	Trig II/2+ III	
Q	F-3	Trig III			
10	M-6	Chain rule	Tue	Chain rule	2.4
	W-8	Chain rule	Th	Chain rule	2.4
HW	F10	Chain rule			2.4
11	M-13	<b>No class (in place of Rem. Day)</b>	Tue	Logarithms + derivative of $\log(x)$	
	W-15	Logarithms + derivative of $\log(x)$	Th	Derivative as rate of change	
Q	F-17	Derivative as rate of change			
12	M-20	Growth Models	Tue	Growth Models + Exp growth/decay	
	W-22	Exp growth/decay	Th	Exp growth/decay	
HW	F-24	Exp growth/decay			
13	M-27	Higher derivatives	Tue	Higher derivatives + Acceleration	2.3
	W-29	Acceleration	Th	Review	
Q	F-1	Review			

Wk		Topics Term 2 (draft)		Topics
1	M -1	<b>No class</b>	Tue	Review
	W-3	Review	Th	Implicit Differentiation
	F-5	Implicit Differentiation		
2	M-8	--“---	Tue	Related Rates
	W-10	Related Rates	Th	--“---
Q	F-12	--“---		
3	M-15	--“---	Tue	--“---
	W-17	--“---	Th	--“---
HW	F-19	--“---		
4	M-22	Def. of Extrema – Critical #.s	Tue	Def. of Extrema and Critical #.s
	W-24	--“---	Th	MVT
Q	F-26	MVT		
5	M -29	1 <sup>st</sup> deriv test	Tue	1 <sup>st</sup> der test
	W-31	--“---	Th	--“---
HW	F- 2	--“---		
6	M- 5	Concavity and I.Ps	Tue	Concavity and I.Ps
	W-7	--“---	Th	--“---
Q	F-9	Review		
7	M-12	<b>No class (Family Day)</b>	Tue	Review
	W-14	Asymptotes (or MT)	Th	Asymptotes
	F-16	--“---		
	<b>19-23</b>	<b>BREAK</b>		<b>BREAK</b>
8	M-26	L’Hopital’s rule	Tue	L’Hopital’s rule
	W-28	Curve sketching	Th	Curve sketching
HW	F-2	--“---		
9	M-5	--“---	Tue	--“---
	W-7	--“---	Th	Global extrema
Q	F-9	Global extrema		
10	M-12	Optimization Problems	Tue	Optimization Problems
	W-14	--“---	Th	--“---
HW	F-16	--“---		
11	M-19	--“---	Tue	--“---
	W-21	--“---	Th	--“---
Q	F -23	--“---		
12	M -26	Linear and Quadratic Approx	Tue	Linear and Quadratic approx
	W-28	Taylor polynomials	Th	Taylor polynomials
HW	F-30	<b>No class (Good Friday)</b>		
13	M-2	<b>No class (Easter Monday)</b>	Tue	Antiderivatives
	W-3	Antiderivatives	Th	Review (inv trig func.)
Q	F-5	No class		