MATH 125 – Calculus I
Spring 2017 Lab Schedule

Week 1

1	W	1/18	Introduction and Precalculus Review	
2	F	1/20	2.1: Limits, Rates of Change, and Tangent Lines	
Lab:	Introduction and Precalculus Review			

Week 2

3	M	1/23	2.2: Limits: A Numerical and Graphical Approach	
4	W	1/25	2.3: Basic Limit Laws	
5	F	1/27	2.4: Limits and Continuity	
Lab:	Cover sections 2.1, 2.2, and 2.3			
	Quiz 1:		1st Meeting	Precalculus

Week 3

6	M	1/30	2.5: Evaluating Limits Algebraically	
7	W	2/1	2.7: Limits at Infinity	
8	F	2/3	2.8: Intermediate Value Theorem	
Lab:	Cover sections 2.4, 2.5, and 2.7			
	Homework 1:		Due 1st Meeting	Sections 2.2, 2.3, and 2.4

Week 4

9	M	2/6	3.1: Definition of Derivative	
10	W	2/8	3.2: The Derivative as a Function	
11	F	2/10	3.3: Product and Quotient Rules	
Lab:	Cover sections 2.7, 2.8, 3.1, 3.2			
	Quiz 2:		1st Meeting	Sections 2.5 and 2.7
	Homework 2:		Due 2nd Meeting	Sections 2.8, 3.1, and 3.2

Week 5

12	M	2/13	3.7: The Chain Rule	
13	W	2/15	3.7: The Chain Rule	
14	F	2/17	3.8: Implicit Differentiation	
Lab:	Cover sections 3.3 and 3.7			
	Quiz 3:		2nd Meeting	Sections 3.3 and 3.7
	Homework 3:		Due 2nd Meeting	Sections 3.3 and 3.7

Week 6

15	M	2/20	3.8: Implicit Differentiation	
16	W	2/22	3.4: Rates of Change	
17	F	2/24	3.5: Higher Derivatives	
Lab:	Cover section 3.8 and review for Midterm Exam 1.			

Week 7

18	M	2/27	Midterm Exam I Review

Midterm Exam I – Tuesday 2/28

19	W	3/1	2.6: Trigonometric Limits
20	F	3/3	3.6: Derivatives of Trigonometric Functions

Lab: Review Midterm Exam 1 and cover sections 2.6 and 3.6.
Paper Gateway 2nd Meeting

Week 8

21	M	3/6	3.9: Derivatives of Inverse Functions
22	W	3/8	3.10: Related Rates
23	F	3/10	3.10: Related Rates

Lab: Cover sections 3.9 and 3.10.

Quiz 4:	2nd Meeting	Sections 2.6, 3.6, and 3.9
Homework 4:	Due 1st Meeting	Sections 2.6, 3.4, 3.5, and 3.6

Week 9

24	M	3/13	4.1: Linear Approximations
25	W	3/15	4.2: Extreme Values
26	F	3/17	4.3: The Mean Value Theorem

Lab: Cover sections 3.10 and 4.1.

Quiz 5:	2nd Meeting	Section 3.10
Homework 5:	Due 2nd Meeting	Sections 3.8, 3.9, and 3.10

Spring Break: 3/20 – 3/24

Week 10

27	M	3/27	4.4: The Shape of a Graph
28	W	3/29	4.6: Graph Sketching
29	F	3/31	4.7: Applied Optimization

Lab: Cover sections 4.2, 4.3, 4.4, and 4.6.

Quiz 6:	2nd Meeting	Section 4.6
Homework 6:	Due 2nd Meeting	Sections 4.1-4.4 and 4.6

Week 11

30	M	4/3	4.7: Applied Optimization
31	W	4/5	4.5: L'Hospital's Rule
32	F	4/7	4.5: L'Hospital's Rule

Lab: Cover section 4.5 and 4.7 and review for Midterm Exam 2.

Week 12

33	M	4/10	Midterm Exam II Review	

Midterm Exam II – Tuesday 4/11

34	W	4/12	4.8: Newton's Method	
35	F	4/14	5.1: Area	

Lab: Review Midterm Exam 2 and cover section 4.8.

Homework 7:	Due 2nd Meeting	Sections 4.5 and 4.7	

Week 13

36	M	4/17	5.2: Definite Integrals	(Last Day for Withdrawing)
37	W	4/19	5.3: Indefinite Integrals	
38	F	4/21	5.3: Indefinite Integrals	

Lab: Cover sections 5.1, 5.2, and 5.3.

Quiz 7:	2nd Meeting	Sections 4.8, 5.1, and 5.2

Week 14

39	M	4/24	5.4: The Fundamental Theorem of Calculus Part I	
40	W	4/26	5.5: The Fundamental Theorem of Calculus Part II	
41	F	4/28	5.7: Substitution Method	

Lab: Cover sections 5.3, 5.4, and 5.5.

Quiz 8:	2nd Meeting	Sections 5.3, 5.4, and 5.5
Homework 8:	Due 2nd Meeting	Sections 5.1, 5.2, and 5.3

Week 15

42	M	5/1	5.7: Substitution Method	
43	W	5/3	Final Exam Review	
	F	5/5	**Stop Day –** No Classes	

Lab: Cover section 5.7 and review for the Final Exam.

Quiz 9:	Last Meeting	Section 5.7
Homework 9:	Due Last Meeting	Sections 5.4, 5.5, and 5.7

Final Exam – Tuesday 5/9 - 4:30-7:00pm