MATH 126 – Calculus II
Spring 2017 Schedule

Week 1

1	W	1/18	Introduction and Calculus I Review	
2	F	1/20	5.7: Substitution Method	
Lab:		Introductions and Calculus I Review		

Week 2

3	M	1/23	7.1: Integration By Parts	
4	W	1/25	6.1: Area Between Two Curves	
5	F	1/27	6.2: Setting Up Integrals	
Lab:		Cover sections 7.1 and 6.1		
		Quiz 1	1st Meeting	Calculus I Prerequisites

Week 3

6	M	1/30	6.3: Volumes of Revolution	
7	W	2/2	6.4: The Method of Cylindrical Shells	
8	F	2/4	11.1: Parametric Equations	
Lab:		Cover sections 6.2, 6.3, and 6.4		
		Homework 1	1st Meeting	Sections 5.7, 7.1, 6.1
		Quiz 2	2nd Meeting	Sections 5.7, 7.1, 6.1

Week 4

9	M	2/6	8.1 and 11.2: Arc Length and Surface Area	
10	W	2/8	7.2: Trigonometric Integrals	
11	F	2/10	7.3: Trigonometric Substitution	
Lab:		Cover sections 11.1, 8.1, 11.2		
		Homework 2	1st Meeting	Sections 6.2, 6.3, 6.4
		Quiz 3	2nd Meeting	Sections 6.2, 6.3, 6.4

Week 5

12	M	2/13	7.5: The Method of Partial Fractions	
13	W	2/15	7.6: Strategies for Integration	
14	F	2/17	6.5: Work and Energy	
Lab:		Cover sections 7.2, 7.3, and 7.5		
		Homework 3	2nd Meeting	Sections 11.1, 7.2, 7.3, 7.5

Week 6

15	M	2/20	8.2 and 8.3: Fluid Pressure, Force, and Center of Mass	
16	W	2/22	7.7: Improper Integrals	
17	F	2/24	7.8: Probability and Integration	
Lab:		Cover sections 6.5, 8.2, and 8.3 as well as Exam Review		
		Quiz 4	2nd Meeting	7.6 and 6.5

Week 7

18	M	2/27	Midterm Exam I Review	

Midterm Exam I – Tuesday 2/28

19	W	3/1	10.1: Sequences	
20	F	3/3	10.1: Sequences	
Lab:		Review Exam 1 and cover sections 7.7 and 7.8		
		Homework 4	2nd Meeting	Sections 6.5, 8.2, 8.3, 7.7

Week 8

21	M	3/6	10.2: Summing and Infinite Series	
22	W	3/8	10.2: Summing and Infinite Series	
23	F	3/10	8.4: Taylor Polynomials	
Lab:		Cover sections 10.1 and 10.2		
		Homework 5	2nd Meeting	Sections 10.1 and 10.2

Week 9

24	M	3/13	10.3: Convergence of Series with Positive Terms	
25	W	3/15	10.4: Absolute and Conditional Convergence	
26	F	3/17	10.5: The Ratio and Root Tests	
Lab:		Cover sections 8.4, 10.3, and 10.4		
		Quiz 5	1st Meeting	Sections 10.1, 10.2

Spring Break: 3/20 – 3/24

Week 10

27	M	3/27	Review of Convergence Tests	
28	W	3/29	10.6: Power Series	
29	F	3/31	10.6: Power Series	
Lab:		Review Convergence Tests and cover section 10.6		
		Homework 6	1st Meeting	Sections 10.3, 10.4, 10.5
		Quiz 6	2nd Meeting	Sections 10.3, 10.4, 10.5

Week 11

30	M	4/3	10.7: Taylor Series	
31	W	4/5	10.7: Taylor Series	
32	F	4/7	Review of Power and Taylor Series	
Lab:		Cover sections 10.6 and 10.7 as well as Exam Review		
		Quiz 7	2nd Meeting	Sections 10.6, 10.7
		Homework 7	2nd Meeting	Sections 10.6, 10.7

Week 12

33	M	4/10	Midterm II Review

Midterm Exam II – Tuesday 4/11

34	W	4/12	12.1: Vectors in the Plane
35	F	4/14	12.2: Vectors in Three Dimensions

Lab: Review Exam 2 and cover sections 12.1

Week 13

36	M	4/17	12.3: The Dot Product (Last Day for Withdrawing)
37	W	4/19	12.3: The Dot Product
38	F	4/21	12.4: The Cross Product

Lab: Cover section 12.3

Week 14

39	M	4/24	12.5: Planes in 3-Space
40	W	4/26	11.3: Polar Coordinates
41	F	4/28	11.4: Area and Arc Length in Polar Coordinates

Lab: Cover sections 12.4 and 12.5

Homework 8	1st Meeting	Sections 12.1, 12.2, 12.3
Quiz 8	1st Meeting	Sections 12.1, 12.2, 12.3

Week 15

42	M	5/1	12.7: Cylindrical and Spherical Coordinates
43	W	5/3	Final Exam Review
	F	5/5	**Stop Day –** No Classes

Lab: Cover sections 11.3 and 11.4 as well as Exam Review

Homework 9	Last Meeting	Sections 12.4, 12.5, 11.3
Quiz 9	Last Meeting	Sections 12.4, 12.5, 11.3

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