

Math 126: Calculus II		Assignments	Fall 1999
Aug. 25	Introduction, Mathematica		
27	6.1 Inverse Functions	#1 p.454:2–16even,28,30,C53,C55	
30	6.2 Natural logarithms	#2 p.465:4,6,16,18,28,40,48,52,54,56,58,70,C89,C90	
Sept. 1	6.3 Exponential Function	#3 p.472:10,12,20,30,34,38,42,50,62,68,C70	
3	6.4 a^x and $\log_a x$	#4 p.481:12,14,34,40,44,48,56,62,76,80,C83,C84	
6	6.5 Growth and Decay	#5 p.488:8,10,12,14,18,24,26	
8	6.6 L'Hopital's Rule	#6 p.496:8,10,14,24,40,42,44,52,62,C71,C73	
10	6.7 Relative Rates of Growth	#7 p.503:2–10even,18,C21	
13	6.8 Inverse Trig Functions	#8 p.510:2–14even,34,36,42,44,C68	
15	6.9 Derivatives/Integrals of Inverse Trig	#9 p.518:2,4,10,14,16,24,26,28,44,46,50,52,(C)87	
17	6.10 Hyperbolic Functions	#10 p.525:2–18even,26,28,68,70,C89	
20	6.11 First Order Differential Equations	#11 p.537:2–24even,36,38,40,46	
22	6.11 First Order Differential Equations		
24	7.1 Basic Integration Formulas	#12 p.560:2,8,20,24,26,40,44,50,56,58,82,84ab	
27	7.2 Integration by Parts	#13 p.567:2–14even,22,28,30,32,C41	
29	7.3 Partial Fractions	#14 p.576:2,8,10,16,18,20,22,26,30,34,38,C51	
30	<i>Exam I</i>		
Oct. 1	7.4 Trig Substitutions	#15 p.582:2–12even,16,20,22,24,30	
4	(7.5 Integral Tables and CAS)	#16 p.591:2,8,16,20,24,34,54,62,72,109,110,111 (with Mma)	
6	7.6 Improper Integrals	#17 p.603:2–12even,22,24,26,48,54,56,64,C92	
8	7.6 Limit Comparison Theorem (Start 8.1)		
11	8.1 Limits of Sequences	#18 p.619:2–16even,20,C56,C60,C62	
13	8.2 Theorems for Limits of Sequences	#19 p.628:2–16even,20,22,24,28,30,34,38,44,C79	
15	8.3 Infinite Series	#20 p.638:2–20even,24,32,34,42,48	
16–24	Midsemester Break		
25	8.4 The Integral Test	#21 p.643:2,4,6,16,20,24,26,28,32,C33	
27	8.5 Comparison Tests	#22 p.649:2–12even,18,20,24,26,28,C41	
29	8.6 The Ratio and Root Tests	#23 p.655:2–22even,32,40,42	
Nov. 1	8.7 Alternating, Absolute and Conditional	#24 p.661:2–20even,46,C50,C52	
3	Review series/convergence tests		
5	8.8 Power Series	#25 p.671:2–22even,34,36,38,42,46	
8	8.8 Power Series 8.9 Taylor and Maclaurin Series	#26 p.677:2–28even,34,38	
10	<i>Review</i>		
11	<i>Exam II</i>		
12	8.10 Coverage of Taylor Series	#27 p.686:2–18even,20,23,24,36,C61	
15	8.11 Applications of Power Series	#28 p.697:2,4,6,18,22,37,38,43,44,48,50,56	
17	8.11 Applications of Power Series		
19	9.1 Conic Sections	#29 p.719:1–8,10,12,18,20,28,30,40,42,44,70,72,74	
22	9.3 Rotation of Axes	#30 p.733:2–24even	
24	9.4 Parametrizations of Plane Curves	#31 p.741:2,4,6,10,14,16,22,24,26,C44,C45,C47,C48	
25	<i>Thanksgiving</i>		
29	9.5 Calculus with Parametrized Curves	#32 p.749:2,4,8,10,16,18,26,C30,C55	
Dec. 1	9.6 Polar Coordinates	#33 p.755:2–12even,20,22,28,32,36,44,58,60	
3	9.7 Graphing in Polar Coordinates	(#34 p.763:21–24,30,34,40,45–47,48ace—use Mma)	
6	9.9 Integration in Polar Coordinates	(#35 p.775:2–12even,20,30)	
8	<i>Review</i>		
Thu. 16	<i>Final Exam</i> 1:45–3:45 OSHA 204		