

Text: Calculus (Sixth Edition)
by Edwards and Penney

[Note: It is assumed that you know the differential calculus, chapters 1-4, and sections 2, 3, and 8 of chapter 5.]

<u>Lesson</u>	<u>Topic</u>	<u>Chap./Sec.</u>	<u>Page/Exercises</u>
1	<i>Riemann Sums</i>	5.4	306/4,6,13,20,33,46,47,52,53,55.
2	<i>Eval.of Integrals</i>	5.5	316/15,25,31,36-43,47,54,60,61.
3	<i>Fund. Thm. of Calc</i>	5.6	325/3,11,16,20,24,45,47,49,55,56,59,61,65,67.
4	<i>Substitution</i>	5.7	333/3,7,16,19,33,35,36,43,45,47,49,54,67.
5	<i>Numerical Integration</i>	5.9	357/1,2,6,21a,23a,24a,25a,26,27.
6	<i>Setting Up Integrals</i>	6.1	374/2,5,8,13,14,17,18,25,29,35,39,45,46.
7	<i>Volume</i>	6.2	384/2,3,13,16,22,25,36,38,39,41,42,49,53a.
8	<i>Arcs and Surfaces</i>	6.4	404/5,6,11,12,14,15,21,24,27,30,32,40-42.
9	<i>Force and Work</i>	6.5	413/2,3,10-12,16a,17-21,25,26,28,30.
10	<i>Review</i>		362/44-46,48,71,73,77; 424/10,11,19,23-25,32,34.
11	<i>Inv. Fnctns. and $\ln x$</i>	7.1,4	439/21,23,26,30,31,40,53,61; 486/39-41,43,46,48.
12	<i>Exponential Fnctns.</i>	7.4	439/3,7,14,20,62; 485/3,6,14,42,44,47; 440/48-50; 465/1,2,5,9,22,25,26,40.
13	<i>Growth and Decay</i>	9.1	556/22,23,24,26,27,28,35,36,38.
14	<i>Separable D.E.</i>	9.3	574/1,17,19,32,38,40; 619/32,47.
15	<i>L'Hôpital's Rule</i>	7.2,3	448/1,4,5-7,14,19,27,29,43,44,61,62; 453/7,14,21-23,26,27,44.
16	<i>Inverse Trig. Fnctns</i>	7.5	475/1,3,4,6-9,27,32,34,35,41-45,50,52,53,55.
17	<i>Hyperbolic Functions</i>	7.6	483/1,12,15,16,19,21,27,28,45,46,53,54, 55,56,59,62.
18	<i>Review</i>		454/29-31; 486/19,22,28,29,32,36,45,50,54, 57,58,75,79,82,83,87,89,92; 619/35,57.
19	<i>Integration by Parts</i>	8.3	499/1,4,6,8-10,13,20,22,24,25,48,49,51,54,55,62.
20	<i>Trig. Integrals</i>	8.4	507/1,4,5,8,12,13,21,25,28,30,34,38,44,56,57,59,62.
21	<i>Partial Fractions</i>	8.5	514/1,5,6,10,25,32,37,38; 595/15,16.
22	<i>Trig. Substitution</i>	8.6	519/1,4,7,29,37-39,47,54.
23	<i>Integrals with Quad.</i>	8.7	524/1,3,4,5,6,21,35,46.
24	<i>Improper Integrals</i>	8.8	537/1,3,5,9,13,16,18,25,28,30,32,35,44,50,51,52.
25	<i>Infinite Sequences</i>	11.1,2	689/1-9,11-13,16,18,24,25,27-29,31,33,35,37,39, 51,53,55,56,58,59.
26	<i>Infinite Series</i>	11.3	699/1-4,7,9-11,14,16-18,20,33,35,41,45,47, 50,52,55,62,69,70.
27	<i>Review</i>		540/1-3,6,11,16,23,27,28,34,38,47,55,59,60,67,72, 82,124,133; 767/2,4,8,10,14,15,24,28,44,47.

28	<i>Taylor Series & Poly.</i>	11.4	713/1-3,5,6,10,13,14,23,24,27-30,33,35, 36,42,44; and handout.
29	<i>Integral Test</i>	11.5	720/3,4,7,13,23,24,28,30,31,37,49.
30	<i>Comparison Tests</i>	11.6	727/1-6,10-13,15-17,21-23,28,34,35,46,48-50,52.
31	<i>Alternating Series</i>	11.7	735/1,3,4,5,7-9,15,17-19,45,51,52,54,57.
32	<i>Ratio and Root Tests</i>	11.7	735/20,23,25,28,29,31-33,35,36,39,42,59.
33	<i>Power Series</i>	11.8	748/3-6,14,16,17,19,21,31-33,38,41,44,47, 49-52,55,66.
34	<i>Power Series Comp.</i>	11.9	756/1,3,4,6,13,16,20,21,24,27,28,31,33,34,36,49,50.
35	<i>Series Sol'ns of D.E.</i>	11.10	766/3,5,9,13,17,21.
36	<i>Review</i>		767/16,18,20,30-33,38,40,53,55,60.