Text: **Introduction to Calculus, Purdue MA 22000- Pearson Custom Edition for Purdue University, Taken from Algebra for College Student, 6th ed. (Lial, Hornsby, McGinnis) and Calculus with Application, 10 ed. (Lial, Greenwell, Ritchey)**

A one-line, scientific calculator with logarithm and exponential functions is required. Graphing calculators or programmable calculators may not be used. Calculators which are capable of numerical or symbolic differentiation or integration are considered programmable and are not allowed. The suggested calculator is a TI-30XA. All graphs for paper homework must be sketched by hand on paper or graph paper.

Note: Sections in normal print are found in part I (algebra half) of the textbook, sections found in bold print are found in part II (calculus half) of the textbook.

Problems in bold print are to be completed on paper and **may be** collected by your instructor. Problems that are not in bold print will be on MyMathLab and will be numbered 1, 2, 3, etc.

Lessons	Sections	Assignments
1(a&b)	5.2, R.1	course information discussed, **Algebra part**, p. 305: 5, 21, **22**, 41, **42**, 47, **48**, 55, **56**, 69, **70**, 71, **72**, 81; **Calculus part**, p. R-5: 3, **4**, 5, **6**
2	3.5, 7.4 **1.2, 2.1**	**Algebra part,** p. 210: 5, 7, 11, 13, **14**, **16**, 17, 19, 21, 23, **24**, 25, **26**, 27, **28**, 31, **32**, 33, **34**, 35, **36**, 37, **38**, 43, 45, **46**, 49, **50**, 51, **52**, 53, **54**, 55, 57, **58**, **60**, 61, **62**, 63, **64**, 65, **66**, 67, **68**, **72**, 75, **76**, **78**, 81, **82, 86**, 87, **90**; p. 423: **6,** 7, 9, **10** **Calculus part**, p. 23: 3, 5, **6**, 9, **10**, 19, **27(b,e,i**), **33(a,b,c), 35(a-f)**; p. 53: 1, **2**, 3, **4**, 5, **6**, **8**, 17, **18**, **22**, 23, **24**, 25, **26**, 33, **34**, **35**, 37, **38**, **40**, 41, 43, **47**, 49, **50**, **51**, 55, 57, **58**, 59, 61, **62, 76(a)**
3a	5.4, **R.1**	**Algebra part,** p. 324: 7, **10**, **12**, 13, 15, 19, 21, 23, 25, 27, 31, 33, 35, **40**, 47, 53, 57, 59, 61, 63, 79, **85**, **89**, **98**, 99, **100** **Calculus part**, p. R-5: 9, **11**, 15, 21, 23
3b	5.4, **R.1**	**More on polynomials,** worksheet of problems
4	2.1, 7.4 **R.4**	**Algebra part,** p. 61: 13, 19, 21, 25, 31, 35, **40**, 53, 57, 61, 65 p. 423: 7, 19, 23, 27, 29, 35, 39 **Calculus part,** p. R-16: 3, **4**, 5, **29**
5	2.3, 2.4 7.5, 9.3	**Algebra part**, p. 81: 31, 39, 47, 49, 51, 53, 55, 59 p. 92: 21, 23, 25, **26**, **28**, 31, 41 p. 435: 43, 45, 49, 51, 53, 55, 57 p. 564: 19, 23, 25, **27**
6	6.5, **R.4** Summary	**Algebra part**, p. 376: 7, 11, 17, 23, 29, 33, 37, **43** p. 567: **3, 5, 7, 11, 14, 17, 21** **Calculus** part, p. R-16: 9, **11**, 13, 15, **19**, 21, 23, **24**, 25, **29**, 31, 33, **34**
7	9.3, 9.4	**Algebra part**, p. 565: 35, 36, 37, 38, 39, 41, 42 p. 573: 29, 31, 32, 33, 35, 37, 38, 41, 43, 45 possible worksheet of additional problems
Sept.12		REVIEW FOR EXAM 1
Sept. 14		**EXAM 1 IN CLASS** -
8	3.2, 3.3 **1.1**	**Algebra part**, p. 170: 21, 23, 25, 27, 31, 33, 35, 37, **38**, 39, **40**, 41, 43, 45, 47, 49, 53, **55**, 59, 61 p. 186: (**7 – 14 all**), 19, 21, 25, 27, 29, 33, 37, 39, 43, 47, 53, 57, 77, 79, **81**, **83** **Calculus part,** p. 13: **16**, **18**, **19, 20, 21, 24, 26**, 45, **47**, 49, **51,** 53, **55**, 57, **61**, **63(a,b), 64, 68, 69, 70, 72, 74**
9	**3.1**	**Calculus part**, p. 135: 5, 7, 9, **10**, 11, 15, **17**, 19, 31, 33, 35, **37**
10	**3.1**	**Calculus part**, p. 135: **32, 34, 36, 38**, 39, **41**, 43, 45, 47, 49, 51, **53, 54, 55, 56**, 83, 91
11	**3.3**	**Calculus part**, p.158: 1, 3, 5, 9, **12**, 17, 25(a-d), **26(a-d)**, **29, 33, 42(b,c)**
12	**3.4**	**Calculus part**, p. 176: **11**, 13, 15, 21, 23, **25**, 35, **36**, 37, 49, **51, 56(a,b)**

13	**4.1**	**Calculus part**, p. 207: 1, 3, **4, 5, 7, 8,** 9, **10**, 11, **12**, 13, **15, 16, 17**, 19, **20**, **21,** 23, **24**, 27, **28**, 29
14	**4.1**	**Calculus part**, p. 207: 31, **32**, 33, **35**, 37, 39, 41, 43, 45, 51, **52, 56, 60, 67(c),** 69, **71, 73**
15	**4.2**	**Calculus part**, p. 216: 1, 3, 5, 7, 9, **29, 34**, 39, **50**
16	**4.2**	**Calculus part**, p. 216: 11, 13, **15**, 17, 19, **21**, 23, **25**, 30, 31, **33, 35, 40**, 41, 43, 53, 54
17	**4.3**	**Calculus part**, p. 225: 7, 11, 13, 15, 17, 19, 21, 23, 25, 28, 29, 31
Oct 15th		CATCH UP OR STRUCTURED REVIEW FOR EXAM 2
Oct 17th		CLASSROOM HELP SESSION – attendance not required
Oct. 18th		**EXAM 2: Thursday, October 18th, 8:00 PM, Location TBA (Alternate Exam 2, Date, Time, and Location TBA**)
18	**4.3**	**Calculus part**, p. 225: 43, 45, 47, 49, 50, 54(a,b,c), 55(a,b), 57(a,b), 62(a-c), 63(a-c)
19	**2.4**	**Calculus part**, p. 86: 13, 15, 18, 19, 21, 23, **25**, 27, 37, **39, 40, 42**, 43, 47, **48(a,b)**
20	**4.4**	**Calculus part**, p. 232: 1, 3, 5, 7, 9, **11**, 13, **15, 17,** 19, **21**, 23, 38, 41, **42**, 45, **58(a-c)**
October 24th		LAST DAY TO DROP THE COURSE (WILL RECEIVE A 'W')
21	**2.5**	**Calculus part,** p. 981, 1, 3, 5, 7, **9,** 12, 13, 15, 17, **19,** 21, 27, 29, 31, 33, 35, 37, **39,** 41, 43, 45, 47, **49,** 51, **53**, 57, 59, **61**, **77, 90(b,d), 92(a,b)**
22	**4.5**	**Calculus part**, p. 240: 1, 3, 7, 10, 13, 15, 17, 23, 47, **56 (a-c), 57(a,b), 64 (a,c), 65**
23	**5.1**	**Calculus part**, p. 260: 1, 3, 5, 7, 13, **15**, 17, 19, 21, 23, 25, 28, **29, 31, 33,** 46**,** 47, **52**, 55
24	**5.2**	**Calculus part**, p. 271: 5, 13, 15, 17, 19, 21, 25, 29, 31, **35**, 41, **43**, 46, **47**, 49, 57
25	**5.3**	**Calculus part**, p. 283: 1, 3, 5, 7, 9, 11, 13, 15, 19, 21, 23, **25(a),** 27, **29**, 31, **33**, 35, 37, **39**, 41, 45, **47**, **87**, 91, 93
26	12.4, **3.1**	**Algebra part**, p. 785: 15, **17**, 19, 21, 23, **25**, 27 (Only find the equations of any horizontal or vertical asymptotes for these problems .) **Calculus part**, p. 137: all problems 43, **44,** 45, **46,** 47, **48**, 49, **50**, 51, **52**
27	**5.4**	**Calculus part**, p. 294: 3, **4,** 5, **6,** 7, **8, 9**, 11, 13
28	**5.4**	**Calculus part**, p. 294: 15, **17, 18, 19**, **20,** 21, **23**, 25
Nov. 12th		CATCH-UP OR STRUCTURED REVIEW DAY FOR EXAM 3
Nov. 14th		REVIEW FOR EXAM 3 (Classroom Help session)
Nov. 16th		**EXAM 3 IN CLASS**
29	**6.1**	**Calculus part**, p. 310: 11, 13, 15, 17, **19,** 20, 21, 25, 31, **33**, 36, **37**, **44**, 45, **51, 52, 55**, 56
30	**6.2**	**Calculus part**, p.318: **1, 7, 8**, **9**, **10, 11** (no problems on MyMathLab, all problems on paper)
31	**6.2**	**Calculus part,** p.318: **13**, 14, 15, **16**, 19, **20**, 21
32	**6.2**	**Calculus part**, p. 318: 23, 24, 31, **33**, **45, 47**
33		STRUCTORED REVIEW FOR FINAL EXAM (department practice problems)
34,35	2 days	REVIEW FOR FINAL EXAM