

Text: Applied Calculus by L. D. Hoffman and G. L. Bradley, Expanded tenth edition, McGraw Hill, 2010. 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 numeric or symbolic differentiation and integration are not allowed. The problems in bold are available on the course webpage.

| <u>Lessons</u> | <u>Sections</u> | <u>Assignments</u>  |
|----------------|-----------------|---|
| 1              | 1.1             | <i>p10</i> : 3, 6, 8, 13, 14, 19, 20, 21, 22, 23, 62, 66, 68 <i>cde</i> , 70  |
|                | Appendix A1     | course webpage : <b>46, 47, 48, 52, 53, 54</b>  |
| 2              | 1.1             | <i>p10</i> : 25, 26, 27, 28, 34, 35, 36, 38, 40, 42, 49, 50, 73, 74, 75   |
| 3              | 1.2, 1.3        | <i>p25</i> : 15, 21, 25, 26, 27 <i>p39</i> : 2, 4, 9, 11, 17, 18, 22, 28, 32, 41 <i>b</i> , 44 <i>c</i> , 45 <i>b</i> |
| 4              | 1.4             | <i>p56</i> : 5, 6, 7, 11, 36, 38, 40, 42  |
| 5              | 1.5             | <i>p73</i> : 1, 2, 3, 4, 5, 6, 13, 15, 17, 19, 20, 23, 24, 32, 33, 35, 37, 38, 40, 42                                 |
| 6              | 1.6             | <i>p86</i> : 1, 2, 3, 4, 12, 15, 16, 26, 27, 35, 37, 38, 39, 41, 42   |
| 7              | 2.1             | <i>p112</i> : 3, 5, 9, 15, 18, 20, 32, 33, 34, 37, 38   |
| 8              | 2.2             | <i>p125</i> : 1, 6, 7, 9, 11, 14, 18, 21, 24, 25, 29, 32, 35, 36, 38, 51 <i>a</i> , 52, 55, 56, 62                    |
| 9              |                 | REVIEW FOR EXAM 1   |
| 10             |                 | EXAM 1 IN CLASS   |
| 11             | 2.3             | <i>p138</i> : 1, 2, 3, 5, 8, 9, 11, 12, 13, 17, 18  |
| 12             | 2.3             | <i>p139</i> : 21, 22, 23, 24, 26, 27, 30, 48, 56, 61  |
| 13             | 2.3, 2.4        | <i>p139</i> : 42, 43, 46, 47 <i>p151</i> : 3, 4, 5, 9, 11   |
| 14             | 2.4             | <i>p152</i> : 23, 24, 26, 27, 28, 29, 31, 32, 35, 36, 38, 39, 40  |
| 15             | 2.4             | <i>p152</i> : 48, 52, 54, 59, 60, 61, 62, 64, 66, 67  |
| 16             | 2.5             | <i>p163</i> : 2, 3, 6, 7, 8, 12, 13, 15, 18, 19, 24, 25   |
| 17             | 2.6             | <i>p175</i> : 9, 10, 11, 12, 13, 14, 17, 18, 23, 26, 28   |
| 18             | 2.6             | <i>p176</i> : 31, 32, 35, 36, 41, 42, 43, 44, 45, 46, 47, 50, 52  |
| 19             | 3.1             | <i>p204</i> : 2, 4, 9, 10, 11, 13, 14, 15, 19, 20, 22   |
| 20             |                 | “CATCH UP” AND/OR STRUCTURED REVIEW FOR EXAM 2  |
| 21             |                 | EXAM 2 IN CLASS   |
| 22             | 3.1             | <i>p204</i> : 23, 25, 29, 31, 32, 33, 56, 57, 59 <i>bc</i> , 60, 68, 69, 70, 71(56,57-no graph)                       |
| 23             | 3.2             | <i>p220</i> : 5, 6, 7, 8, 9, 10, 28, 29, 31, 32, 34   |
| 24             | 3.2             | <i>p220</i> : 1, 2, 3, 47, 48, 56, 57, 59 <i>ab</i> (56-no graph)   |
| 25             | 3.3             | <i>p235</i> : 12, 13, 14, 15, 17, 19, 24, 27, 29, 33, 34, 35, 36  |
| 26             | 3.4             | <i>p254</i> : 1, 3, 5, 6, 7, 8, 10, 17(min aver cost only), 31 <i>abc</i> , 33, 34                                    |
| 27             | 3.5             | <i>p270</i> : 2, 4, 6, 7, 9, 11, 16, 17, 18, 19, 21, 23, 25, 36, 37   |
| 28             | 4.1             | <i>p303</i> : 19, 20, 21, 22, 41 <i>abc</i> , 43, 45 <i>a</i> , 47 <i>ab</i> , 48 <i>ab</i> , 66                      |
| 29             | 4.1, 4.2        | <i>p304</i> : 35 <i>bcd</i> , 36 <i>cd</i> , 37, 38, 49; <i>p320</i> : 3, 6, 7  |
| 30             |                 | REVIEW FOR EXAM 3   |
| 31             |                 | EXAM 3 IN CLASS   |
| 32             | 4.2             | <i>p320</i> : 13, 15, 16, 17, 24, 27, 32, 33, 35, 36, 45, 50, 53  |
| 33             | 4.3             | <i>p335</i> : 2, 4, 5, 7, 8, 9, 10, 12, 13, 15, 16, 18, 19, 20, 26, 29, 34  |
| 34             | 4.3             | <i>p336</i> : 40, 45, 48, 51, 52, 53, 54, 55, 69, 70, 80 <i>ab</i>  |
| 35             | 4.4             | <i>p350</i> : 21, 23, 24, 27 <i>acd</i> , 28 <i>bc</i> , 29 <i>acd</i> , 31, 32 <i>bc</i>                             |
| 36             |                 | REVIEW FOR THE FINAL EXAM   |

\*These problems are available on the course web page.