

Text: Applied Calculus by L. D. Hoffman and G. L. Bradley, Expanded ninth edition, McGraw Hill, 2007.

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.

| <u>Lessons</u> | <u>Sections</u> | <u>Assignments</u>  |
|----------------|-----------------|---|
| 1              | 5.1             | <i>p</i> 371 : 1, 3, 6, 7, 10, 12, 21   |
| 2              | 5.1             | <i>p</i> 371 : 31, 32, 33, 36, 37, 40, 44, 45, 47                             |
| 3              | 5.2             | <i>p</i> 383 : 3, 6, 9, 12, 13, 15, 16, 37, 41, 50                            |
| 4              | 5.2             | <i>p</i> 384 : 17, 21, 23, 25, 28, 31, 33, 36, 39, 57a                        |
| 5              | 5.3             | <i>p</i> 399 : 7, 9, 12, 20, 21, 22, 23, 24, 26, 27                           |
| 6              | 5.3             | <i>p</i> 400 : 31, 36, 40, 41, 47, 54, 58, 61                                 |
| 7              | 5.4             | <i>p</i> 416 : 1, 2, 4, 6, 7, 9, 11, 12, 13, 14                               |
| 8              | 5.4             | <i>p</i> 417 : 18, 20, 22, 25, 27, 35, 37, 47, 49                             |
| 9              | 5.5             | <i>p</i> 430 : 1, 2, 8, 11, 15, 16, 18  |
| 10             |                 | REVIEW FOR EXAM 1   |
| 11             |                 | EXAM 1 IN CLASS   |
| 12             | 6.1             | <i>p</i> 475 : 1, 2, 4, 5, 7, 10, 11, 14, 23                                  |
| 13             | 6.1             | <i>p</i> 475 : 15, 16, 17, 18, 39, 40, 42                                     |
| 14             | 6.2             | <i>p</i> 484 : 1, 3, 5, 6, 7, 8, 9, 10  |
| 15             | 6.2             | <i>p</i> 484 : 11, 14, 17, 19, 28, 31   |
| 16             | 6.3             | <i>p</i> 494 : 3, 6, 7, 10, 11, 37, 41(Trapezoidal Rule only on all problems) |
| 17             | 7.1             | <i>p</i> 522 : 1, 6, 13, 14, 17, 19, 20, 21, 23                               |
| 18             | 7.2             | <i>p</i> 536 : 1, 2, 3, 4, 6, 8, 9, 11, 13, 18, 19                            |
| 19             | 7.2             | <i>p</i> 536 : 21, 22, 23, 24, 38, 57, 62, 64, 66                             |
| 20             | 7.2             | <i>p</i> 537 : 27, 29, 30, 37, 40, 43   |
| 21             | 7.2             | <i>p</i> 538 : 46, 63, 68, 69, 70   |
| 22             |                 | “CATCH UP” AND/OR STRUCTURED REVIEW FOR EXAM 2                                |
| 23             |                 | OPTIONAL REVIEW FOR EXAM 2 (EVENING EXAM)                                     |
| 24             | 7.3             | <i>p</i> 549 : 2, 4, 5, 6, 7, 8, 9, 13, 15                                    |
| 25             | 7.3             | <i>p</i> 550 : 22, 23, 25, 30, 31, 36   |
| 26             | 7.4             | <i>p</i> 561 : 4, 5, 6, 7, 17, 18, 22   |
| 27             | 7.5             | <i>p</i> 576 : 1, 2, 3, 4, 5, 7, 8, 9, 11                                     |
| 28             | 7.5             | <i>p</i> 576 : 17, 19, 22, 24, 30, 32   |
| 29             | 7.6             | <i>p</i> 591 : 1, 3, 4, 5, 8, 12, 15, 16                                      |
| 30             | 8.1             | <i>p</i> 621 : 29, 32, 33, 35, 37, 40, 1, 2, 3, 4, 5                          |
| 31             | 8.1             | <i>p</i> 621 : 10, 11, 13, 14, 21, 22, 23, 24, 25                             |
| 32             | 8.1             | <i>p</i> 622 : 45, 46ab, 47, 48   |
| 33             | 9.1             | <i>p</i> 699 : 1, 2, 4, 5, 6, 7, 8, 9, 10                                     |
| 34             | 9.1             | <i>p</i> 700 : 11, 13, 14, 15, 16, 17, 19, 20, 23, 34, 35                     |
| 35             | 9.1             | <i>p</i> 700 : 37, 39, 43, 46a, 48  |
| 36             |                 | REVIEW FOR EXAM 3   |
| 37             |                 | EXAM 3 IN CLASS   |
| 38             | 9.3             | <i>p</i> 727 : 1, 4, 5, 6, 10, 11, 12, 13                                     |
| 39             | 9.3             | <i>p</i> 727 : 16, 18, 20, 22, 23   |
| 40             | 9.3             | <i>p</i> 727 : 26, 27, 28, 31, 37, 38, 39                                     |
| 41             | 10.2            | <i>p</i> 761 : 1, 2, 3, 4, 5, 6, 9, 10, 11, 12, 13                            |
| 42             | 10.2            | <i>p</i> 762 : 15, 17, 18, 20, 23   |
| 43             |                 | REVIEW FOR FINAL EXAM   |
| 44             |                 | REVIEW FOR FINAL EXAM   |