

Text: Text: Applied Calculus by S.T. Tan, Sixth Edition, Brooks/Cole, 2005.

A 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. All graphs must be sketched by hand on graph paper.

| <u>Lessons</u> | <u>Sections</u> | <u>Assignments</u> |
|----------------|-----------------|--|
| 1 | 8.1 | <i>p</i> 544 : 1, 6, 13, 15, 17, 19, 20, 22, 23 |
| 2 | 8.2 | <i>p</i> 557 : 3, 6, 8, 9, 12, 13, 15, 16, 17, 23, 30 |
| 3 | 8.2 | <i>p</i> 558 : 33, 37, 38, 39, 40, 42, 43, 47 |
| 4 | 8.3 | <i>p</i> 570 : 1, 2, 3, 6, 7, 8, 13, 14, 20 |
| 5 | 8.3 | <i>p</i> 570 : 22, 23, 24, 26, 27, 29, 30 |
| 6 | 8.4 | <i>p</i> 578 : 1, 4, 7, 8, 9, 10 |
| 7 | 8.5 | <i>p</i> 594 : 1, 2, 3, 4, 5, 6, 7, 8, 12 |
| 8 | 8.5 | <i>p</i> 594 : 17, 18, 19, 20, 21, 25 |
| 9 | 8.6 | <i>p</i> 600 : 2, 4, 5, 7, 8, 9, 11, 12 |
| 10 | 8.6 | <i>p</i> 600 : 20, 21, 23, 28, 31 – 35, 37 |
| 11 | | REVIEW FOR EXAM 1 |
| 12 | | EXAM 1 IN CLASS |
| 13 | 6.1 | <i>p</i> 407 : 9, 12, 15, 22, 30, 31, 52, 55, 56, 60, 61 |
| 14 | 6.2 | <i>p</i> 419 : 1, 2, 6, 10, 13, 18, 24, 28, 51, 55 |
| 15 | 6.2 | <i>p</i> 419 : 29, 30, 32, 35, 38, 39, 42, 45, 49 |
| 16 | 6.3, 6.4 | <i>p</i> 430 : 1, 2; <i>p</i> 439 : 3, 6, 8, 9, 10, 13, 14, 15 |
| 17 | 6.5 | <i>p</i> 449 : 2, 5, 8, 9, 10, 15, 18, 21, 22 |
| 18 | 6.5 | <i>p</i> 449 : 24, 26, 28, 31, 34, 35, 40, 42 |
| 19 | 6.6 | <i>p</i> 462 : 4, 11, 17, 18, 23, 28, 30, 35, 40 |
| 20 | 6.7 | <i>p</i> 478 : 1 – 7 |
| 21 | 7.1 | <i>p</i> 499 : 1, 2, 8, 10, 11, 12, 14, 19, 21 |
| 22 | 7.1 | <i>p</i> 499 : 27, 30, 34, 35, 36, 37, 39 |
| 23 | 7.3 | <i>p</i> 520 : 3, 12, 16, 19, 29, 31 (Trapezoidal Rule only) |
| 24 | 7.4 | <i>p</i> 531 : 15, 17, 18, 20, 21, 24, 25, 28 |
| 25 | | “CATCH UP” AND/OR STRUCTURED REVIEW FOR EXAM 2 |
| 26 | | OPTIONAL REVIEW FOR EXAM 2 (EVENING EXAM) |
| 27 | 7.4 | <i>p</i> 532 : 30, 31, 34, 36, 37, 39, 41 |
| 28 | 9.1 | <i>p</i> 627 : 1, 3, 6, 14, 15, 19, 20, 23 |
| 29 | 9.2 | <i>p</i> 633 : 2, 3, 5, 6, 8, 15, 17, 19, 20, 31, 34 |
| 30 | 9.3 | <i>p</i> 641 : 2, 3, 4, 6, 7, 8 |
| 31 | 9.3 | <i>p</i> 642 : 9, 10, 11, 14, 19 |
| 32 | 10.1 | <i>p</i> 663 : 4, 6, 14, 15, 18, 19, 22, 25, 26, 27 |
| 33 | 10.1 | <i>p</i> 666 : 44, 45, 46, 49, 50, 51 |
| 34 | 11.1 | <i>p</i> 707 : 1, 4, 7, 12, 13, 15, 22, 27 |
| 35 | 11.2 | <i>p</i> 716 : 11, 12, 14, 30, 31, 34, 35, 36, 40, 41 |
| 36 | | REVIEW FOR EXAM 3 |
| 37 | | EXAM 3 IN CLASS |
| 38 | 11.3 | <i>p</i> 727 : 5, 6, 7, 9, 10, 11, 13, 15, 16, 17, 18, 19, 21 |
| 39 | 11.3 | <i>p</i> 727 : 32, 33, 34, 35, 36, 37 |
| 40 | 11.5 | <i>p</i> 747 : 2, 3, 5, 6, 8, 10, 11, 17 |
| 41 | 11.6 | <i>p</i> 756 : 2, 3, 4, 9, 12, 15 |
| 42 | 11.6 | <i>p</i> 756 : 23, 24, 26, 28, 29 |
| 43 | | REVIEW FOR FINAL EXAM |
| 44 | | REVIEW FOR FINAL EXAM |