

Text: Technical Calculus with Analytic Geometry by Peter Kuhfittig, Fourth Edition, Brooks/Cole, 2005.

A calculator with trigonometric functions, logarithmic functions and their inverses 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              | 6.1-3           | p218: 7, 17, 21, 35, 38; p222: 9, 21, 33, 58; p251: 9, 10                              |
| 2              | 6.6             | p232: 1, 4, 7, 11, 14, 15, 20, 22, 23, 25, 28, 30, 33, 38, 43, 46, 47                  |
| 3              | 6.7             | p237: 2, 8, 13, 15, 16, 22, 28, 32   |
| 4              | 6.8             | p240: 1, 6, 7, 17, 18, 20, 21, 25, 30, 45  |
| 5              | 6.10            | p247: 1, 3, 7, 10, 13, 16, 17  |
| 6              | 7.1             | p254: 1, 4, 5, 6, 7, 9, 12, 13, 25, 32   |
| 7              | 7.2             | p257: 3, 4, 7, 10, 15, 19, 20, 29, 38, 48, 50  |
| 8              | 7.3             | p260: 2, 3, 9, 10, 17, 22, 28, 31, 33, 34, 42  |
| 9              | 7.7             | p278: 1, 2, 5, 6, 7, 10, 12, 17  |
| 10             | 7.7             | p278: 19, 20, 22, 25, 26   |
| 11             |                 | REVIEW FOR EXAM 1  |
| 12             |                 | EXAM 1 IN CLASS  |
| 13             | 7.8             | p287: 1, 2, 5, 9, 10, 12   |
| 14             | 7.8             | p288: 18, 19, 20, 21, 22 (Just give the partial fraction expansion. Do not integrate.) |
| 15             |                 | p291: (Review Exercises)1, 2, 5, 7, 10, 11, 13, 22, 26, 41                             |
| 16             | 10.1            | p365: 1, 2, 4, 5, 7, 10, 12, 15, 20  |
| 17             | 10.3            | p376: 1, 2, 5, 8, 12   |
| 18             | 10.4            | p380: 1, 4, 5, 7, 9, 12, 13, 14, 18  |
| 19             | 10.5            | p386: 1, 4, 5, 9, 12, 13, 14   |
| 20             | 10.5            | p386: 15, 17, 19, 21, 25, 27   |
| 21             | 10.6            | p397: 1, 2, 3, 4   |
| 22             | 10.6            | p397: 5, 6, 7, 8; p398: 26   |
| 23             |                 | “CATCH UP” AND/OR STRUCTURED REVIEW FOR EXAM 2   |
| 24             |                 | OPTIONAL REVIEW FOR EXAM 2 (EVENING EXAM)  |
| 25             | 11.1            | p402: 2, 4, 5, 9, 13, 15, 18, 20   |
| 26             | 11.2            | p407: 1, 5, 8, 9, 11, 13, 15, 21, 33, 35, 36   |
| 27             | 11.3            | p412: 2, 5, 9, 12, 15, 25, 29, 36  |
| 28             | 11.4            | p419: 3, 6, 7, 8, 12, 13   |
| 29             | 11.4            | p419: 14, 16, 15, 22, 24, 26   |
| 30             | 12.1            | p431: 2, 4, 7, 9, 11, 12, 14, 29, 30   |
| 31             | 12.2            | p434: 1, 4, 5, 10, 11, 15, 17, 21, 45, 46, 47  |
| 32             | 12.3            | p440: 1, 5, 7, 8, 10, 14, 15, 16, 20   |
| 33             | 12.3            | p441: 21, 24, 25, 27, 29, 30, 35, 37, 40   |
| 34             | 12.4            | p449: 1, 2, 3, 4, 5, 9, 10, 11, 14, 15, 16   |
| 35             |                 | p450: (Review Exercises) 4, 8, 12, 15, 17, 21, 22, 25                                  |
| 36             |                 | REVIEW FOR EXAM 3  |
| 37             |                 | EXAM 3 IN CLASS  |
| 38             | 13.1-3          | p459: 2, 3, 5, 7, 10, 12   |
| 39             | 13.1-3          | p459: 14, 16, 19, 20, 21, 24   |
| 40             | 13.1-3          | p459: 37, 38, 39, 42, 45, 48   |
| 41             | 13.4            | p464: 1, 5, 7, 8, 11, 12, 14   |
| 42             | 13.4            | p464: 16, 17, 18, 19, 21, 24, 28   |
| 43             |                 | REVIEW FOR FINAL EXAM  |
| 44             |                 | REVIEW FOR FINAL EXAM  |