

| Day | Date | Sec | Topic | Problems and Comments |
|------|--------|--------|---|--|
| Wed | 25-Aug | 4.5 | Review Substitution rule | 39, 41, 43, 45, 47, 49, 51, 53, 55, 65. |
| Fri | 27-Aug | 6.1 | Inverse functions | 1, 3, 7-25, 28, 37, 38 |
| Mon | 30-Aug | 6.2* | The Natural Log Function | 5-12, 17-20, 27-42, 43, 45, 49, 50, 56, 59, 67-76, 83, 84*, 85* |
| Wed | 1-Sep | 6.3* | The Natural Exponential Function | 1-20, 25, 27, 29, 35, 37, 49, 59, 61, 81, 82 |
| Fri | 3-Sep | 6.4* | General Log and Exponential Functions | 11-32, 55, 58, 67-77, 91-93, 95, 96 |
| Mon | 6-Sep | | Labor Day | No Classes fugate: An alternative is 6.2, 6.3, 6.4 |
| Wed | 8-Sep | 6.5 | Exponential growth and decay | 1, 3, 5, 7, 9, 11, 17 |
| Fri | 10-Sep | 6.6 | Inverse trigonometric functions | 1, 3, 5, 7, 13, 15, 17, 20, 22, 27-29, 30-34, 65, 66, 79-90, 93*, 94*, 95* |
| Mon | 13-Sep | 6.8 | Indeterminate forms and L'Hopital's rule | 1, 3, 5, 7, 9, 11, 13, 19, 21, 23, 25, 27, 29, 31, 88, 89, 91, 93, 95, 96, 99 |
| Wed | 15-Sep | 6.8 | Cont'd | Last day to drop without a grade |
| Fri | 17-Sep | | Review | |
| Mon | 20-Sep | | Review | |
| Tues | 21-Sep | | Examination 1, 7:30-9:30PM | Rooms TBA |
| Wed | 22-Sep | 7.1 | Integration by parts | 1, 3, 5, 7, 9, 11, 13, 19, 21, 33, 37, 38*, 39*, 40*, 41, 42, 57, 62 |
| Fri | 24-Sep | 7.2 | Trigonometric integrals | 1-44, 48, 51, 52 |
| Mon | 27-Sep | 7.3 | Trigonometric substitution | 1-28, 31, 35, 38* |
| Wed | 29-Sep | 7.4 | Integration by partial fractions | 1-16, 17-54, 58-61. |
| Fri | 1-Oct | | Fall Break | No Classes |
| Mon | 4-Oct | 7.5 | Rationalizing substitutions | 1, 3, 5, 7, 9, 11, 18, 31*, 32* |
| Wed | 6-Oct | 7.6 | Strategy for integration | 1-80 |
| Fri | 8-Oct | 7.7 | Tables of Integrals | 1-28 |
| Mon | 11-Oct | 7.8 | Approximate integration | 1, 3, 5, 9, 11, 17, 19, 21, 27 |
| Wed | 13-Oct | 7.9 | Improper integrals | 1-25, 43, 45, 49, 51, 60*, 63, 81, 83 |
| Fri | 15-Oct | Review | fugate: We are required to give students mid term grades by Friday, Oct 22. | |
| Mon | 18-Oct | Review | | |
| Tues | 19-Oct | | Examination 2, 7:30-9:30PM | Rooms TBA |
| Wed | 20-Oct | 8.1 | Differential equations | 1, 3, 5, 11, 13, 15, 17, 29, 30, 31, 32 |
| Fri | 22-Oct | 8.2 | Arc length | 1, 3, 5, 6, 7, 29, 30, 31 Last day to drop with a "W" |
| Mon | 25-Oct | 10.1 | Sequences | 1-11, 13-40, 47, 48, 51, 53, 55, 60*, 61*, 62*, 70* |
| Wed | 27-Oct | 10.2 | Series | 1-34, 37, 39, 41, 43, 45, 47, 53, 55, 54, 57* |
| Fri | 29-Oct | 10.3 | Integral test | 1-17, 19, 23, 25, 29 |
| Mon | 1-Nov | 10.4 | Comparison tests | 1, 3, 5, 7, 9, 11, 33, 35, 37, 39 |
| Tues | 2-Nov | | Presidential Election Day | No Classes |
| Wed | 3-Nov | 10.5 | Alternating series | 1, 3, 5, 8, 10, 17, 21, 23, 25, 27, 30, 33 |
| Fri | 5-Nov | 10.6 | Absolute convg. and the ratio test | 1, 3, 5, 7, 9, 11, 13, 27, 29, 33, 35 |
| Mon | 8-Nov | 10.7 | Strategy for testing series | 1-40 |
| Wed | 10-Nov | 10.8 | Power series | 1, 3, 5, 7, 9, 11, 13, 15, 17, 19, 21, 33 |
| Fri | 12-Nov | Review | | |
| Mon | 15-Nov | Review | | |
| Tues | 16-Nov | | Examination 3, 7:30-9:30PM | Rooms TBA |
| Wed | 17-Nov | 10.9 | Represent fcn's as power series | 1, 3, 5, 7, 9, 11, 13, 15, 17, 21, 23, 25, 27 |
| Fri | 19-Nov | 10.10 | Taylor and MacLaurin series | 1, 3, 7, 9, 10, 17, 19, 21, 25, 26, 29, 31, 32, 33, 34, 37, 45, 47, 49 |
| Mon | 22-Nov | 10.12 | Applications of Taylor polynomials | |
| Wed | 24-Nov | 9.1 | Curves def. by parametric equations | 1, 3, 5, 7, 9, 17, 19, 23, 25, 27, 28 |
| Thur | 25-Nov | | Thanksgiving Vacation | No Classes |
| Fri | 27-Nov | | Thanksgiving Vacation | No Classes |
| Mon | 29-Nov | 9.2 | Tangents and areas | 1, 3, 5, 15, 17, 23 |
| Wed | 1-Dec | 9.3 | Arc length | 1, 3, 5, 7, 9, 13, 15 |
| Fri | 3-Dec | 9.4 | Polar coordinates | 1, 3, 5, 7, 9, 11, 13, 37, 39, 41, 51, 53 |
| Mon | 6-Dec | | Review | |
| Wed | 8-Dec | | Review | |
| Fri | 10-Dec | | Review | Last Class |
| | | | Final Exam depends on lecture time. | See p. 16 of Schedule of Classes, Fall 2004 |