

Math 6.001 (Redden) — Fall 2019

Schedule as of 11/19/19; "eoo" stands for every other odd, or every 4th problem

| Week | Dates | Material | Quiz/Test | Homework |
|------|-------|---|-------------------|--|
| 1 | 9/2 | <i>No Classes - Labor Day</i> | | |
| | 9/4 | Lines, Rates of change | | From "Finite Mathematics" 1.1: 7-56 eoo, 57, 58, 67, 69 From the textbook: 2.2: 1-15 odd |
| 2 | 9/9 | Functions, Limits, Derivatives | | optional — 2.1: 1, 3, 13, 21, 23, 25 2.2: 25, 29, 35, 55 |
| | 9/11 | Derivative Rules | Quiz 1 | 2.3: 1-30eoo, 31, 37, 47, 49, 51 |
| 3 | 9/16 | Derivative Rules | Quiz 2 | 2.4: 3, 5-22eoo, 27, 31-46eoo, 50, 59 |
| | 9/18 | Chain Rule | Quiz 3 | 2.6: 1-42eoo, 47, 49, 57, 64 |
| 4 | 9/23 | Graphing Using First and | | 2.5: 1, 7, 21, 33, 35, 39 |
| | 9/25 | Second Derivatives | Quiz 4 | 3.1: 1, 4, 19, 25, 31, 39, 45, 63, 65 3.2: 7, 11, 19, 39, 58 |
| 5 | 9/30 | Review | | |
| | 10/2 | Test 1 | Test 1 | |
| 6 | 10/7 | Optimization | | 3.3: 3, 9, 27, 33, 37, 41, 42, 45 |
| | 10/9 | Optimization | Quiz 5 | 3.4: 1, 7, 12 |
| 7 | 10/14 | <i>No Classes - Columbus Day</i> | | |
| | 10/16 | Optimization and/or Implicit Differentiation | Quiz 6 | TBA |
| 8 | 10/21 | Implicit Differentiation and | | 3.6: 1, 5, 21, 25, 33, 37, 41, 59, 66 |
| | 10/23 | Related Rates | Quiz 7 | |
| 9 | 10/28 | Review | Quiz 8 | |
| | 10/30 | Test 2 | Test 2 | |
| 10 | 11/4 | Antiderivatives | | 5.1: 1-40odd, 43, 47, 53 |
| | 11/6 | Substitution | Quiz 9 | 5.6: 1, 3, 7, 13, 23 |
| 11 | 11/11 | Definite Integrals, Area | Quiz 10 | 5.3: 1-12odd |
| | 11/13 | FTC - Fundamental Theorem Calc | | 5.3: 19-35eoo, 73, 75, 77 |
| 12 | 11/18 | Funamental Theorem of Calculus | Quiz 11 | |
| | 11/20 | Review | Quiz 12 | |
| 13 | 11/25 | Test 3 | Test 3 | |
| | 11/27 | <i>No Classes - Thanksgiving</i> | | |
| 14 | 12/2 | Applications - Average Value, Areas | | 5.4: 1-13eoo, 30, 45, 47, 52 |
| | 12/4 | Consumer & Producer Surplus | Quiz 13 | 5.5: 1, 5, 9, 13 |
| 15 | 12/9 | Final Applications | | |
| | 12/11 | <i>No Class - Optional Review Session</i> | | |
| | 12/18 | Final Exam 8:00a-10:40a | FINAL EXAM | |