

| Date | Section, topic, assignments. | Assignments (textbook problems are optional) |
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| 11-Jan | Ch. 1 Review of functions | Review, p. 56 #1,2,3,5,6,8-12,16-19 |
| 12-Jan | Pretest, Assignment A1. | A1: Review |
| 13-Jan | Mathematical induction, handout. | |
| 16-Jan | Martin Luther King, Jr. Day | |
| 17-Jan | Worksheet 1. | |
| 18-Jan | 2.1 Tangent and velocity problems | §2.1 #1,2,3,5,6,8,9 |
| | 2.2 Limit of a function | §2.2, #2,4,5,6,9,12,13,15,25,28 |
| 19-Jan | Assignment A2, practice quiz 1 | A2: Tangents and velocity |
| 20-Jan | 2.3 Calculating limits using the limit laws | §2.3 #1,2,11,13,15,17,20,22,28,39,40,49 |
| | 2.4 The precise definition of a limit (lightly) | §2.4 #1,2,3,4,5,6,9,10 |
| 23-Jan | 2.5 Continuity | §2.5, #1,3,4,5,6,7,9,11,17,21,37 |
| | 12m submission deadline for A1 and A2 | |
| 24-Jan | Assignment A3, Practice quiz 2 | A3: Limits |
| 25-Jan | 2.6 Tangents, velocities and rates of change | §2.6 #1,2,3,5,13,15,17,18,23 |
| | Worksheet 1 due in class | |
| 26-Jan | Assignment A4, Worksheet 2. | A4: Tangents, velocity, rates of change |
| 27-Jan | 3.1 Derivatives | §3.1 #3,4,6,7,9,12,15,16,19,22,25,26 |
| 30-Jan | 3.2 The derivative as a function | §3.2 #1,2,4,7,10,12,17,25,36,39,41 |
| | 12m submission deadline for A3 and A4. | |
| 31-Jan | Assignment A5 | A5: The derivative |
| 1-Feb | 3.3 Differentiation formula | §3.3 #5,10,16,18,21,25,28,33,40,44,53,57,58,62 |
| | Worksheet 2 due in class | |
| | Last day to drop | |
| 2-Feb | Assignment A6, practice quiz 3 | A6: Differentiation rules |
| 3-Feb | Review | |
| 6-Feb | Review | |
| | 12m submission deadline for A5 and A6. | |
| 7-Feb | R1 (not graded) | |
| | First exam, 7:30-9:30pm room TBA. | |
| 8-Feb | Appendix D, Trigonometry | Appendix D, #1,4,7,10,13,15,23,26,29,30,31, |
| 9-Feb | Assignment B1 | B1: Trigonometry review |
| 10-Feb | 3.5 Derivatives of trigonometric functions | §3.5 #3,6,9,12,18,29,30,35,36,43 |
| 13-Feb | 3.6 The chain rule | §3.6 #1,5,6,7,10,15,16,19,25,28,45,46,55,56 |
| | 12m submission deadline for B1. | |
| 14-Feb | Assignment B2, worksheet 3 | B2: Derivatives of trigonometric functions |
| 15-Feb | 3.7 Implicit differentiation | §3.7 #3,4,7,10,14,15,26,29,35,39 |
| 16-Feb | Assignment B3, practice quiz 4 | B3: The chain rule |
| 17-Feb | 3.8 Higher derivatives | §3.8 #1-3,11,18,25,26,39,41,44,49,50,53 |
| 20-Feb | 3.9 Related rates | §3.9 #1,2,4,6-8,10-12,14-17,20-22 |
| | 12m submission deadline for B2 and B3. | |
| 21-Feb | Assignment B4, practice quiz 5 | B4: Implicit differentiation and higher order derivat |
| 22-Feb | 3.9 continued | |
| | Worksheet 3 due in class. | |
| 23-Feb | Assignment B5, worksheet 4 | B5: Related rates |
| 24-Feb | 3.10 Linear approximation | §3.10 #1,3,7,8,13,15,27,31,32,37 |
| 27-Feb | 4.1 Maximum and minimum values | §4.1 #1,2,3,4,5,9,11,17,18,23,47,48,52 |
| | 12m submission deadline for B4 and B5. | |
| 28-Feb | Assignment B6. | B6: Linear approximation |
| 1-Mar | 4.2 The mean value theorem | §4.2 #1,3,5-8,15-19,22 |
| | Worksheet 4 due in class. | |
| 2-Mar | Assignment B7, practice quiz 6 | B7: Extreme values and the mean value theorem |
| 3-Mar | Review | |
| 6-Mar | Review | |
| | 12m submission deadline for B6 and B7. | |
| 7-Mar | R2 (not graded) | |
| | 7:30-9:30 pm Exam 2, room TBA | |

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| 8-Mar | 4.3 Derivatives and the shape of a graph | §4.3 #1,2,5,6,7-9,11-17,22-26,29,31,33 |
| 7-Mar | Assignment C1 | C1: Derivatives and the shape of a graph |
| 10-Mar | 4.4 Limits at infinity Last day to withdraw | §4.4 #1-4,9,11,13,15,17,19,21,23,35,37,39,43,58 |
| 13-18 Mar | Spring break | |
| 20-Mar | 4.5 Summary of curve sketching 12m submission deadline for C1. | §4.5 #3,12,13,17,23,27,31 |
| 21-Mar | Assignment C2, worksheet 5 | C2: Summary of curve sketching |
| 22-Mar | 4.5 continued | §4.6 #20,21,26,27 |
| 23-Mar | Practice quiz 7 | |
| 24-Mar | 4.7 Optimization problems | §4.7 #2,3,6,7,10,16,19,22,29,32,35,51,52. |
| 27-Mar | 4.7 continued 12m submission deadline for C2 | |
| 28-Mar | Assignment C3, practice quiz 8 | C3: Optimization |
| 29-Mar | 4.9 Newton's method Worksheet 5 due in class. | §4.9 #1,4,5,6,11,27,31,34,35 |
| 30-Mar | Assignment C4. worksheet 6. | C4: Newton's method |
| 31-Mar | 4.10 Anti-derivatives | §4.10 #1,3,5,7,21,23,25,31,36,37,39,40,53,55,68,7 |
| 3-Apr | 5.1 Areas and distances 12m submission deadline for C3 and C4. | §5.1 #1,3,4,5,11,12,20,22 |
| 4-Apr | Assignment C5. | C5: Anti-derivatives |
| 5-Apr | 5.2 The definite integral Worksheet 6 due in class. | §5.2 #1,7,9,17,19,25,29,30,33-36,39,47-49,55,57 |
| 6-Apr | Assignment C6, practice quiz 9 | C6: Areas and distances: the definite integral |
| 7-Apr | Review | |
| 10-Apr | Review 12m submission deadline for C5 and C6 | |
| 11-Apr | R3 (not graded) 7:30pm-9:30pm, room TBA. | |
| 12-Apr | 5.3 The fundamental theorem of calculus | §5.3 #1,7-11,13,19,21,23,25,27,31,33,51, |
| 13-Apr | Assignment D1 | D1: The fundamental theorem of calculus |
| 14-Apr | 5.4 Indefinite integrals | §5.4 #1,3,17,19,21,23,25,31,33,43,46,48 |
| 17-Apr | 5.5 Substitution 12m submission deadline for D1 | §5.5 #1,3,9,11,13,15,17,19,21,27,37,39,45,49,57,! |
| 18-Apr | Assignment D2, practice quiz 10 | D2: Substitution |
| 19-Apr | 6.1 Areas between curves | §6.1 #1,2,5,7,11,13,21,22,24,45 |
| 20-Apr | Assignment D3, worksheet 7 | D3: Area |
| 21-Apr | 6.2 Volume | §6.2 #1,3,12,13,14,47,48,49,53 |
| 24-Apr | 6.3 Volume by cylindrical shells 12m Submission deadline for D2 and D3 | §6.3 #1,9,11,13,15,17,43,45. |
| 25-Apr | Assignment D4 | D4: Volumes |
| 26-Apr | Review Worksheet 7 due in class | |
| 27-Apr | Assignment R4 (not graded) 12m submission deadline for D4 | |
| 28-Apr | Review | |
| 1-May | Final exam, 6-8pm room TBA | |