

| Day | Date | Sxn | Topic/Homework |
|-----|------|-----|---|
| 1-M | 8/29 | 0.1 | Numbers and Sets 0, 3, 5, 7, 16, 24, 30, 33, 37, 42, 45, 50, 53, 56, 60, 67, 68, 74, 83, 89, 92. |
| 1-T | 8/30 | 0.2 | Equations 0, 11, 12, 14, 17, 19, 20, 25, 33, 37, 40, 45, 49, 51, 56, 63, 66, 70, 75, 81, 83. - Problem Session |
| 1-W | 8/31 | - | (Study time) |
| 1-R | 9/1 | - | Quiz 1 (0.1, 0.2) |
| | | 0.3 | Inequalities 0, 1, 2, 4, 12, 18, 23, 25, 27, 35, 43, 46, 52, 58, 66, 67, 72, 78, 89, 90. |
| 2-M | 9/5 | 0.4 | Logic 0, 4, 10, 13, 16, 17, 21, 27, 31, 35, 41, 47, 50, 52, 56, 57, 66, 68, 76, 80, 81, 88, 92. |
| 2-T | 9/6 | 0.5 | Proofs 0, 2, 3, 5, 9, 12, 15, 20, 21, 22, 23, 24, 26, 27, 29, 31, 35, 42, 46, 48, 49. - Problem Session |
| 2-W | 9/7 | - | (Study time) |
| 2-R | 9/8 | - | Quiz 2 (0.3, 0.4, 0.5) |
| | | 1.1 | What is a Function? 0, 1, 3, 5, 8, 12, 15, 17, 21, 22, 23, 24, 25, 27, 29, 31, 33, 35, 37, 41. |
| 3-M | 9/12 | 1.2 | Graphs of Functions 0, 2, 4, 5, 6, 7, 9, 10, 11, 12, 13, 15, 16, 19, 22, 25, 26, 28, 29, 30, 31, 33, 35, 38, 39. |
| 3-T | 9/13 | 1.3 | Linear Functions 0, 1, 3, 6, 8, 10, 11, 15, 16, 17, 21, 22, 25, 29, 31, 32, 36, 38, 39, 41, 42, 46, 48. - Problem Session |
| 3-W | 9/14 | - | (Study time) |
| 3-R | 9/15 | - | Quiz 3 (1.1, 1.2, 1.3) |
| | | 1.4 | A Basic Library of Functions 0, 2, 6, 7, 9, 12, 14, 17, 21, 22, 25, 26, 28, 31, 32, 34, 40, 42, 44, 45, 47, 49, 50, 51. |
| 4-M | 9/19 | 1.5 | Combinations of Functions 0, 7, 8, 12, 14, 22, 32, 33, 36, 38, 39, 41, 44, 61, 68, 75, 87, 90, 99, 103, 109, 111. |
| 4-T | 9/20 | 1.6 | Transformations and Symmetry 0, 4, 7, 10, 14, 15, 18, 31, 33, 34, 35, 41, 44, 58, 62, 63, 68, 71, 72, 75, 77, 79, 85. - Problem Session |
| 4-W | 9/21 | - | Review for Test I (with Laura!) |
| 4-R | 9/22 | - | TEST I (0.1–1.6) |

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| 5-M | 9/26 | 1.7 | Inverse Functions 0, 1, 4, 6, 7, 9, 10, 12, 14, 16, 18, 21, 24, 27, 29, 31, 32, 33, 36, 38, 42, 43, 49. |
| 5-T | 9/27 | 2.1 | Intuitive Notion of Limit 0, 1, 2, 6, 8, 10, 13, 14, 15, 16, 17, 18, 20, 22, 23, 24, 29, 30, 31, 34, 37, 39. - Problem Session |
| 5-W | 9/28 | - | (Study time) |
| 5-R | 9/29 | - | Quiz 4 (1.7, 2.1, Test I) 2.2 Formal Definition of Limit 0, 1, 2, 4, 7, 13, 14, 15, 16, 18, 20, 21, 27, 29, 33, 39, 40, 42, 47, 52, 53, 56, 57, 60. |
| 6-M | 10/3 | 2.3 | Delta-Epsilon Proofs 0, 1, 2, 3, 5, 9, 10, 13, 15, 16, 20, 25, 26, 28, 29, 31, 37, 38, 43. |
| 6-T | 10/4 | 2.4 | Limit Rules 0, 1, 3, 7, 14, 15, 16, 17, 21, 22, 31, 33, 35, 38, 40, 43, 46, 47, 50, 51, 54, 55. - Problem Session |
| 6-W | 10/5 | - | (Study time) |
| 6-R | 10/6 | - | Quiz 5 (2.2, 2.3, 2.4) 2.5 Calculating Limits 0, 1, 2, 3, 5, 6, 7, 9, 11, 13, 14, 18, 20, 21, 22, 24, 30, 35, 37, 39, 42, 44, 46, 47. |
| 7-M | 10/10 | 2.6 | Continuity 0, 3, 5, 10, 13, 15, 20, 22, 25, 27, 28, 36, 38, 39, 42, 43, 48, 49, 52, 55, 59, 60, 61, 68. |
| 7-T | 10/11 | 2.7 | Two Theorems about Continuous Functions 0, 2, 3, 6, 8, 9, 14, 15, 16, 17, 18, 19, 24, 26, 27, 33, 35, 37, 38, 44, 50, 52, 56, 61, 63. - Problem Session |
| 7-W | 10/12 | - | (Study time) |
| 7-R | 10/13 | - | Quiz 6 (2.5, 2.6, 2.7) 3.1 Tangent Lines and the Derivative at a Point 0, 1, 8, 11, 12, 16, 17, 24, 30, 35, 40, 43, 47, 51, 55, 60, 64, 69, 75, 83, 87, 91, 94. |
| 8-M | 10/17 | 3.2 | The Derivative as an Instantaneous Rate of Change 0, 3, 5, 6, 7, 8, 9, 10, 11, 12, 19, 20, 22, 24, 28, 30, 31, 32, 33, 34, 35, 37. |
| 8-T | 10/18 | 3.3 | Differentiability 0, 2, 3, 4, 5, 6, 7, 9, 11, 13, 14, 17, 20, 21, 23, 24, 26, 27, 30, 33, 34, 35, 36. - Problem Session |
| 8-W | 10/19 | - | (Study time) |
| 8-R | 10/20 | - | Quiz 7 (3.1, 3.2, 3.3) 3.4 The Derivative as a Function 0, 2, 7, 11, 12, 13, 15, 17, 23, 28, 35, 38, 41, 46, 50, 53, 56, 59, 63, 64, 65, 68, 71. |

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| 9-M | 10/24 | 3.5 | Basic Differentiation Rules 0, 5, 10, 18, 22, 23, 28, 29, 33, 39, 40, 46, 48, 53, 58, 65, 68, 71, 74, 75, 76, 81, 82. |
| 9-T | 10/25 | - | Three Theorems about Tangent Lines 0, 4, 7, 11, 15, 18, 21, 25, 27, 28, 30, 34, 39, 40, 44, 47, 50, 54, 56, 60, 63, 65, 67. - Problem Session |
| 9-W | 10/26 | - | Review for Test II (with Laura!) |
| 9-R | 10/27 | - | TEST II (1.7-3.6) |
| 10-M | 10/31 | 3.7 | The First Derivative and Function Behavior 0, 1, 5, 9, 12, 14, 17, 19, 20, 21, 22, 24, 27, 28, 30, 34, 36, 38, 42, 44, 45, 46. |
| 10-T | 11/1 | 3.8 | The Second Derivative and Function Behavior 0, 2, 3, 11, 15, 19, 21, 25, 30, 37, 39, 42, 46, 47, 52, 55, 58, 61, 65, 68, 69, 71, 73, 76. - Problem Session |
| 10-W | 11/2 | - | (Study time) |
| 10-R | 11/3 | - | Quiz 8 (3.7, 3.8, Test II) 4.1 The Algebra of Power Functions 0, 7, 12, 19, 22, 34, 36, 39, 42, 48, 51, 58, 61, 65, 67, 69, 72, 76, 78, 90, 93, 97, 99, 103. |
| 11-M | 11/7 | 4.2 | Limits of Power Functions 0, 1, 2, 4, 8, 11, 15, 18, 21, 24, 25, 26, 31, 36, 43, 49, 52, 54, 57, 59, 60, 62, 65. |
| 11-T | 11/8 | 4.3 | Derivatives of Power Functions 0, 1, 3, 4, 7, 11, 13, 14, 15, 20, 21, 23, 24, 32, 38, 42, 47, 49, 52, 59, 65, 71, 76, 77. - Problem Session |
| 11-W | 11/9 | - | (Study time) |
| 11-R | 11/10 | - | Quiz 9 (4.1, 4.2, 4.3) 4.4 Graphs of Power Functions with Integer Powers 0, 3, 4, 8, 9, 11, 14, 16, 18, 19, 24, 30, 32, 36, 37, 40, 43, 45, 48, 50, 61, 57, 71. |
| 12-M | 11/14 | 4.5 | Graphs of Power Functions with Rational Powers 0, 2, 6, 9, 11, 12, 14, 20, 26, 31, 34, 40, 43, 47, 48, 52, 54, 57, 59, 60, 64, 67, 72. |
| 12-T | 11/15 | 5.1 | The Algebra of Polynomial Functions 0, 8, 10, 11, 22, 23, 31, 36, 42, 43, 45, 46, 52, 53, 59, 63, 72, 75, 78, 79, 86, 90, 95, 98. - Problem Session |
| 12-W | 11/16 | - | (Study time) |
| 12-R | 11/17 | - | Quiz 10 (4.4, 4.5, 5.1) 5.2 Limits and Derivatives of Polynomial Functions 0, 5, 7, 10, 14, 15, 16, 18, 20, 21, 25, 33, 37, 41, 43, 48, 53, 57, 62, 66, 68, 71. |

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| 13-M | 11/21 | 5.3 | Graphing Polynomial Functions 0, 2, 3, 6, 9, 12, 16, 18, 27, 28, 35, 38, 42, 44, 46, 50, 52, 54, 56, 60, 61, 63, 64. |
| 13-T | 11/22 | 5.4 | Optimization with Polynomial Functions 0, 2, 6, 7, 9, 11, 14, 16, 20, 22, 24, 25, 26, 28, 29, 31, 32, 34, 35, 38. - Problem Session |
| 13-W | 11/23 | - | Thanksgiving Break |
| 13-R | 11/24 | - | Thanksgiving Break |
| 14-M | 11/28 | 6.1 | The Algebra of Rational Functions 0, 2, 4, 8, 10, 14, 15, 17, 20, 21, 23, 25, 28, 29, 31, 34, 35, 42, 43, 44, 46, 49, 53, 57. |
| 14-T | 11/29 | 6.2 | Limits and Asymptotes of Rational Functions 0, 3, 4, 6, 11, 13, 14, 15, 20, 24, 25, 30, 36, 37, 38, 41, 42, 43, 46, 52, 56, 58. - Problem Session |
| 14-W | 11/30 | - | Review for Test III (with Laura!) |
| 14-R | 12/1 | - | TEST III (3.7-6.2) |
| 15-M | 12/5 | 6.3 | Derivatives of Rational Functions 0, 1, 2, 3, 4, 5, 6, 7, 11, 12, 20, 21, 26, 30, 32, 39, 41, 42, 47, 48, 50, 52. |
| 15-T | 12/6 | 6.4 | Graphs of Rational Functions 0, 1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 13, 18, 19, 21, 25, 26, 27, 30, 33, 34, 35, 37, 39. - Problem Session |
| 15-W | 12/7 | - | (Study time) |
| 15-R | 12/8 | - | Teacher-Course Evaluations and Final Exam Information (mandatory attendance) |

Final Exam for Section 02: Thursday, December 15, 8:00 am – 10:00 am, Burruss 033.

Final Exam for Section 04: Thursday, December 15, 10:30 am – 12:30 pm, Burruss 033.