Day	Date	Sxn	Topic/Homework
Week 1			
1-M	5/13	*	***Logistics and Review*** 1.6: 31, 33 / 1.7: 39 / 2.3: 20, 37 / 3.5: 22, 57 / 3.6: 12 / 3.7: 33 / 4.8: 11, 15, 17 / 5.1: 7 / 5.2: 17 / 5.3: 9 / 5.5: 7 / 5.6: 14, 31, 46, 47 / 6.1: 31 / 6.2: 5, 21 / 6.3: 3.
		7.1	**One-to-One Functions; Inverses** 4, 8, 13, 21, 22, 24, 25, 26, 27, 28, 31, 32, 35, 40, 41, 44, 46, 49, 54, 58, 59.
1-T	5/14	7.2	**The Logarithm Function, Part I** 1*, 4, 5, 6, 7, 8, 12, 13, 14*, 18, 19, 20, 21, 22, 23*, 25ab, 28, 29.
		7.3	**The Logarithm Function, Part II** 7, 8, 11, 14, 17, 19, 29, 34, 36, 44, 47, 48, 55, 57, 59, 61, 66, 69, 70, 78, 82.
1-W	5/15	7.4	**The Exponential Function** 9, 11, 19*, 20*, 21, 22, 24, 26, 31, 35, 42, 50, 52, 56, 60, 61, 66, 73*, 77.
		*	***Problems*** *(7.1–7.4)*
1-R	5/16	7.5	**Arbitrary Powers; Other Bases** 2*, 5, 6, 9*, 11, 14, 15, 16, 21, 23, 30, 35, 36*, 40, 41*, 43, 49, 53, 58, 59, 65, 68*.
		7.6	**Exponential Growth and Decay** 1, 2, 3, 5, 6, 7, 9, 10, 11, 12, 13*, 15, 16, 17, 18, 21, 29.
Week 2			
2-M	5/20	7.7	**The Inverse Trigonometric Functions** 2, 3, 4, 7, 10, 17, 20, 25, 35, 37, 46*, 47, 54, 55, 60, 64, 65, 69, 72, 75, 76, 78.
		7.8	**The Hyperbolic Sine and Cosine** 5, 12, 13, 14, 17, 19, 20, 22, 24, 27, 30, 31, 36, 40, 43, 46, 47, 48.
2-T	5/21	7.9	**The Other Hyperbolic Functions** 1, 4, 5, 6, 7, 9, 11, 12, 15, 18, 21, 25, 27, 30, 32, 33, 35, 38.
		*	***Review for Test I***
2-W	5/22	*	<u>***TEST I***</u> *(7.1–7.9)*
		8.1	**Integral Tables and Review** 5*, 6, 10, 12, 15, 16, 17, 23, 25, 26, 31, 33, 36, 38, 39*, 42, 43, 47, 50, 54.
2-R	5/23	8.2	**Integration by Parts** 3, 5, 6, 7, 9, 11, 13, 14, 18, 20, 23, 25, 29, 33, 35, 38, 41, 42, 48, 50, 52, 60, 61.
		8.3	**Powers and Products of Trigonometric Functions** 3, 4, 6, 8, 11, 13, 15, 19, 24, 25, 28, 30, 33, 40, 41, 46, 49, 51, 53, 55, 61.
Week 3			
3-M	5/27	*	***Memorial Day*** *(no class)*
3-T	5/28	8.4	**Trigonometric Substitution** 3, 5, 6, 7, 8, 9, 13, 15, 16, 17, 22, 23, 29, 32, 33, 42, 43, 44, 45.
		8.5	**Partial Fractions** 2, 4, 6, 8, 9, 10, 11, 13, 16, 18, 19, 21, 22, 24, 27, 32, 39, 41, 48*.
3-W	5/29	8.6	**Some Rationalizing Substitutions** 1, 2, 3, 4, 5, 6, 8, 9, 11, 12, 14, 15, 16, 17, 19, 31, 32, 36.
		*	***Problems*** *(8.1–8.6)*
3-R	5/30	8.7	**Numerical Integration** 1abcd, 2ab, 3abcd, 7ab, 8ab, 9a, 10ab, 13a, 15a, 19a, 21a, 22a, 24.
		8.8	**Differential Equations; First-Order Linear Equations** 2, 3, 4, 5, 8, 9, 11, 12, 15, 20, 21, 23, 25, 27, 29, 30, 33, 34, 35, 36.

Day	Date	Sxn	Topic/Homework

Week 4

| 4-M | 6/3 | 8.9 | **Separable Equations**
1, 2, 3, 4, 5, 6, 7, 8, 9, 11, 12, 13, 14, 15, 16, 26, 29, 30*. |
| | | * | ***Review for Test II*** |

| 4-T | 6/4 | * | ***TEST II*** *(8.1–8.9)* |
| | | 10.1 | **The Least Upper Bound Axiom**
2, 4, 5, 6, 7, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 25, 27, 28. |

| 4-W | 6/5 | 10.2 | **Sequences of Real Numbers**
1, 2, 3, 4, 6, 7, 9, 10, 11, 12, 13, 14, 26, 27, 30, 32, 36, 38, 41, 45, 47, 49, 50, 61, 62. |
| | | 10.3 | **Limit of a Sequence**
2, 6, 8, 12, 13, 14, 16, 17, 18, 22, 25, 28, 29, 31, 36, 37, 40, 46, 52, 53, 59, 64. |

| 4-R | 6/6 | 10.4 | **Some Important Limits**
1*, 3, 4, 5, 7, 11, 14, 15, 16, 17, 19, 21, 24, 31, 33, 34, 37*, 41, 51, 52. |
| | | * | ***Problems*** *(10.1–10.4)* |

Week 5

| 5-M | 6/10 | 10.5 | **The Indeterminate Form $\frac{0}{0}$**
2, 5, 10, 11, 12, 16, 19, 20, 21, 23, 25, 26, 31, 34, 35, 37, 39, 41, 45, 47. |
| | | 10.6 | **The Indeterminate Form $\frac{\infty}{\infty}$; Other Indeterminate Forms**
3, 5, 6, 9, 14, 17, 19, 21, 25, 28, 31, 33, 34, 35, 36, 37, 38, 44, 47, 53, 57, 58. |

| 5-T | 6/11 | 10.7 | **Improper Integrals**
2, 4, 5, 6, 8, 9, 10, 13, 14, 15, 19, 24, 25, 30, 32, 35, 37, 39, 40*, 47, 48*, 50, 51*. |
| | | 11.1 | **Infinite Series**
1, 5, 8, 14, 16, 17, 18, 23*, 24, 25, 26*, 27, 30, 31, 36, 38*, 41, 45, 47, 50, 51, 52, 53, 55, 59, 60*, 64. |

| 5-W | 6/12 | 11.2 | **The Integral Test; Comparison Theorems**
3, 7, 11, 12, 13, 14, 15, 17, 21, 22, 23, 24, 27, 29, 31, 33, 35, 36, 53. |
| | | * | ***Review for Test III*** |

| 5-R | 6/13 | * | ***TEST III*** (10.1–11.2) |
| | | 11.3 | **The Root Test; The Ratio Test**
1, 5, 7, 8, 11, 12, 13, 17, 18, 19, 21, 24, 26, 30, 34, 35, 37, 42, 43, 46. |

Week 6

| 6-M | 6/17 | 11.4 | **Absolute and Conditional Convergence; Alternating Series**
1, 4, 5, 6, 7, 10, 14, 21, 22, 23, 24, 26, 28, 32, 34, 36, 37, 38, 39, 41. |
| | | 11.5 | **Taylor Polynomials and Taylor Series in x**
1, 3, 6, 7, 9, 11, 14, 17, 18, 28, 29, 33, 36, 37, 41, 42, 43, 45, 46, 48, 56, 57. |

| 6-T | 6/18 | 11.6 | **Taylor Polynomials and Series in $x - a$**
1, 2, 4, 5, 7, 8, 10*, 14, 15*, 16*, 20*, 21, 23, 25*, 27, 31, 32, 37*. |
| | | * | ***Problems*** *11.3–11.6* |

| 6-W | 6/19 | 11.7 | **Power Series**
1, 2, 3, 4, 5, 6, 7, 10, 12, 14, 18, 20, 22, 23, 25, 28, 34, 37, 38, 42*. |
| | | 11.8 | **Differentiation and Integration of Power Series**
1, 2, 4, 5, 7, 9*, 11, 14*, 17, 21, 24, 25, 27, 28, 31, 32, 41, 42, 43, 50, 51, 52. |

| 6-R | 6/20 | * | ***Review for Final Exam*** |

FINAL EXAM: Friday, June 21, same bat time, same bat room

40% from 11.3–11.8, 60% from 7.1–8.9 and 10.1–11.2