Monday	Tuesday	Wednesday	Thursday	Friday
January 8 **Section 7.1:** **Basic Approaches to Integration**	9	10 **Section 6.2:** **Regions Between Curves** *Read "Riemann Sum" handout before class!*	11 **Quiz 1** **(7.1)**	12 **Section 6.3:** **Volume by Slicing**
15 **–MLK Day –** **No Classes** **MML Review 1: Preparing for Math 1152**	16	17 **Section 6.4:** **Volume by Shells** **Weekly HW 1**	**18** **Quiz 2** **(6.2-6.3)**	19 **Section 6.5:** **Length of Curves**
22 **Section 6.6:** **Surface Area** **MML Review 2: Square Roots**	23	24 **Section 6.7:** **Physical Applications** **Weekly HW 2**	25 **Quiz 3** **(6.5-6.6)**	26 **Section 7.2:** **Integration by Parts** (read Sections 6.8,6.9)
29 **Section 7.3:** **Trigonometric Integrals** **MML Review 3: Exponents and Logs**	30 **Project #1:** **Integration Due**	**31** REVIEW **Weekly HW 3**	**February 1** **MIDTERM 1** **(6.2-6.7, 7.1-7.3)** **7:05 – 8:00 PM**	2 **Section 7.4:** **Trigonometric Substitution** *(last day to drop without a "W")*
5 **Section 7.5:** **Partial Fractions** **MML Review 4: Trig**	6	7 **Section 7.8:** **Improper Integrals** **Weekly HW 4**	8 **Quiz 4** **(7.3-7.4)**	9 **Section 9.1:** **Overview of Sequences and Series**
12 **Section 9.2:** **Sequences** **MML Review 5: Limits** **MML Review 6: Sigma Notation and Exponents**	13	14 **Section 9.3:** **Series** **Weekly HW 5**	15 **Quiz 5** **(7.5, 7.8, 9.1)**	16 **Section 9.4:** **Divergence and Integral Tests**
19 **Section 9.5:** **Ratio and Root Tests** **MML Review 7: Inequalities and Factorials**	20	21 **Section 9.5:** **Comparison Tests** **Weekly HW 6**	22 **Quiz 6** **(9.1-9.4)**	23 **Section 9.6:** **Alternating Series**
26 **Chapter 9 Review**	27 **Quiz 6** **(Ch 9 Concepts):** **Take-Home and Online Due**	**28** **Review** **Weekly HW 7**	**March 1** **MIDTERM 2** **(7.4-7.8, 9.1-9.6)** **7:05 – 8:00 PM**	4 **Section 10.1:** **Approximating Functions with Polynomials**

Monday	Tuesday	Wednesday	Thursday	Friday
5 **Section 10.2: Properties of Power Series** MML Review 8: Absolute Values	6 **Project #2: Financial Applications of Series Due**	7 **Section 10.3: Taylor Series** Weekly HW 8	8 **Quiz 8 (10.1-10.2)**	9 **Section 10.4: Working with Taylor Series**
12 **- Spring Break – No Classes**	13 **- Spring Break – No Classes**	14 **- Spring Break – No Classes**	15 **- Spring Break – No Classes**	16 **- Spring Break – No Classes**
19 **Chapter 10 Review** MML Review 9: Differentiation	20 **Project #3: Taylor Series Due**	21 **Section 8.1: Basic Ideas of Differential Equations** Weekly HW 9	22 **Quiz 9 (10.3-10.4)**	23 **Section 8.2: Direction Fields and Euler's Method** *(last day to drop without petition)*
26 **Section 8.3: Separable Differential Equations**	27	28 **Section 10.4: Solving IVP with Taylor Series** Weekly HW 10	29 **Quiz 10 (8.1-8.3)**	30 **Section 11.1: Parametric Equations**
April 2 **Section 11.2: Polar Equations** MML Review 10: Tangent Lines	3	4 **Review** Weekly HW 11	5 **MIDTERM 3 (8.1-8.3, 10.1-11.2) 7:05 – 8:00 PM**	6 **Section 11.3: Calculus in Polar Coordinates**
9 **Section 11.3: Calculus in Polar Coordinates** MML Review 11: Conics (w/ Review Lesson)	10 **Project #4: Differential Equations Due**	11 **Sections 12.1, 12.2: Vectors in Two and Three Dimensions** Weekly HW 12	12 **Quiz 11 (11.3)**	13 **Section 12.3: Dot Products**
16 **Section 12.4: Cross Products**	17	18 **Applications of Dot Products and Cross Products** Weekly HW 13	19 **Quiz 12 Conceptual (Online)**	20 **Section 12.5: Lines and Curves in Space**
23 **REVIEW** Weekly HW 14	24	25	26 **Final Exam (6:00-7:45 PM)**	28