

**MA2160
Schedule
Spring 2009**

<i>Week</i>	<i>Monday</i>	<i>Wednesday</i>	<i>Friday</i>
1	13.1 Displacement Vectors	13.2 Vectors in General	13.3 The Dot Product Integration Skills Test
2	No Class/ MLK day	13.3 The Dot Product	13.4 The Cross Product Integration Skills Test
3	13.4 The Cross Product	7.1 Integration by Substitution	7.1 Integration by Substitution 7.2 Integration by Parts
4	7.2 Integration by Parts	7.4 Partial Fractions	No Class/Winter Carnival
5	7.5 Approximating Definite Integrals	Review	Exam I
6	7.6 Approximation Errors and Simpson's Rule	7.7 Improper Integrals	8.1 Areas and Volumes
7	8.1 Areas and Volumes	8.2 Applications to Geometry	8.2 Applications to Geometry
8	8.4 Density and Center of Mass	8.4 Density and Center of Mass	8.5 Applications to Physics
9	8.5 Applications to Physics	Review	ExamII
10	9.2 Geometric Series	10.1 Taylor Polynomials	10.2 Taylor Series
11	10.3 Finding and Using Taylor Series	10.4 The Error in Taylor Polynomial Approximations	11.1 What is a Differential Equation?
12	11.2 Slope Fields	Review	Exam III
13	11.3 Eulers Method	11.4 Separation of Variables	11.5 Growth and Decay
14	11.6 Applications and Modeling	11.7 Models of Population Growth	Review for Final

* **Note: 7.3, 8.3, 10.5, 11.10, 11.11 are in the lab**