

## M155 Tentative Course Schedule

Lecture	Section	Topics
1	5.1	Inverse Functions
2	5.2	The Natural Logarithmic Function
3	5.3	The Natural Exponential Function
4	5.5	Exponential Growth and Decay
5	5.6	Inverse Trigonometric Functions
6	5.8	Indeterminate Form and l'Hospital's Rule
7	6.1	Integration By Parts
8	6.2	Trigonometric Integrals And Substitutions
9	<b>Exam 1</b>	
10	6.3	Partial Fractions
11	6.5	Approximate Integrals
12	6.6	Improper Integrals
13	7.4	Arc Length
14	7.5	Area of a Surface of Revolution
15	7.6	Applications to Physics and Engineering
16	8.1	Sequences
17	8.2	Series
18	<b>Exam 2</b>	
19	8.3	Other Convergence Tests
20	8.5	Power Series
21	8.6	Representing Functions as Power Series
22	8.7	Taylor and Maclaurin Series
23	8.8	Applications of Taylor Polynomials
24	9.1	Parametric Curves
25	9.2	Calculus with Parametric Curves
26	9.3	Polar Coordinates
27	<b>Exam 3</b>	