Math 151 Syllabus

8/01

Text: Stewart, Calculus, 4th ed., Brooks Cole

Topic	sections	Aprox # of 50 min periods
Review	Appendicies	2
Functions and Models	1.1- 1.3	2
Tangents and Velocity	2.1	1
Limits	2.2	1
Limit Rules	2.3	1
Continuity	2.5	2
Tangents, Rates	2.6	2
Derivatives	3.1, 3.2	2
Differentiation Formulas	3.3	2
Rates of Change	3.4	1
Derivatives of Trig Functions	3.5	2
Chain Rule	3.6	2
Implicit Differentiation	3.7	1
Derivitives of Inv.Trig Fcns	7.5	2
Higher Derivatives	3.8	1
Related Rates	3.9	2
Linear Approx. / Differentials	3.10	1
Maxima and Minima	4.1	1
Mean Value Theorem	4.2	1
Derivatives and Graphs	4.3-4.5	5
Optimization	4.7	3
Newton's Method	4.9	1
Antiderivatives	4.10	2
Areas and Distances	5.1	2
The Definite Integral	5.2	2
Fundamental Theorem	5.3	2
Indefinite Integrals	5.4	2
Substitution	5.5	2
Applications of Integration	6.1-6.4	5
		55

43 75-minute periods