

Note: The book is divided into three parts, F(First), M(Middle), L(last)

<u>TOPIC</u>	<u>SECTION</u>	<u>CLASS HOURS</u>
REVIEW	F:Appendix A	1
FUNCTIONS		
The Line, Graph of a Line and Business Applications: Cost, Revenue, Profit, Break-Even Analysis, Supply, Demand	F1-1, F1-2	5
Linear Regression	F1-3	1
Basic Notion of Functions, ,piecewise functions , and Applications: Demand, Cost , Revenue, Profit; Tax Tables.	F2-1, p70-71,p75	4
Circle	Instructor's Supplement	1
Quadratic Functions	F2-3	2
Rational Functions	F2-3	1
MATRICES		
Systems of Equations and Gauss-Jordan	L6.1,L6.2	3
Basic Matrix Operations	L6.3	3
Matrix Multiplication	L6.4	3
Applications	L6.5	3
MATHEMATICS OF FINANCE		
Simple Interest and Discount	L5.1	2
Compound Interest	L5.2	3
Annuities (Future Value)	L5.3	2
Annuities (Present Value)	L5.4	2
DERIVATIVES		
Limits and Continuity	F3-1	2
Continuity	F3-2	2
Limits at Infinity and Asymptotes	F3-3	2
Derivatives, Rates of Change, Tangents to a curve, Slopes of curves	F3-4	4
Derivative Rules	F3-5	2
Derivative Rules 2	L11.6	3
Chain Rule	L11.7	3
Marginal Functions and Rates of Change	F3-7	4
Implicit Differentiation	F4-5	3
Elements of Geometry	Instructor's Supplement	1
Related Rates	F4-6	3
Newton's Method	Instructor's Supplement	1
EXAMS		4
Total		70

The approximate hours per chapter are guidelines and are at the discretion of the instructor. The instructor is responsible for making assignments and scheduling examinations. The Final Exam date is scheduled by the Registrar.

RZ:cs
 FALL 2009
 [MATHMA260SYL FALL 2009]