

# MATH 71A OUTLINE

INTERMEDIATE ALGEBRA - 3 Unit Course, First Half

TEXT: Intermediate Algebra, 5th Edition, Blitzer

Approved: JUNE 2008

Effective: FALL 2008

MATERIAL TO BE COVERED	SECTIONS FROM TEXT	TIME LINE
Algebraic expressions, operations with real numbers, graphing equations, linear equations, formulas, applications, exponents.	1.1 - 1.6	6.25 Hours
Introduction to functions, algebra of functions, linear functions, equation of lines.	2.1 - 2.5	6.25 Hours
Systems of linear equations in two and three variables with applications.	3.1 - 3.3	5 Hours
Linear inequalities, compound inequalities, equations and inequalities with absolute value, linear inequalities in two variables.	4.1 - 4.4	5 Hours
Polynomial functions, multiplication and factoring of polynomials, polynomial equations with applications.	5.1 - 5.7	8.5 Hours
Rational expressions, multiply, divide, add, subtract, complex rational expressions, polynomial division, rational equations, formulas and applications of rational equations. OPTIONAL: Synthetic Division	6.1 - 6.4, 6.6. 6.7 Optional: 6.5	8.5 Hours

\*\*\* One hour = 1 hour of face time. \*\*\*\*This outline allows for 3 hours of exams.

16 Week Term: 1 week = 2.8333 hours (face time) 6 Week Term: 1 week = 7.5 hours (face time)

**Final Exam to be comprehensive, Chapters 1 - 6.**

**71B Final Exam will be comprehensive, Chapters 1 - 11.**

**\*\* See reverse side for important Department Policy\*\***

Submitted by: Galbraith, Graham, Johnson, Long, Loyd, McDonald, Terreri, Troxell, Wakefield, Williams