



AMBROSE
UNIVERSITY COLLEGE

FACULTY OF
ARTS & SCIENCE

COURSE INFORMATION SHEET
MATHEMATICS 111- Linear Algebra

Calendar Description: (3-1) B

This course teaches linear equations, matrices, and vectors with elements and applications to coordinate geometry.

Prerequisite: Math 30

Instructor: John Wiest
jwiest@ambrose.edu

Text: *Linear Algebra With Applications (5th Ed.)*
W. Keith Nicholson
McGraw Hill

The course consists of 3 hours of lecture and 1 hour of lab/tutorial per week. All quizzes will be written during lab/tutorial hours. The best 4 marks on quizzes will be taken in for grades. Attendance at lectures and tutorials will help ensure success on quizzes and exams. If any quiz/exam is missed due to illness or death in the family, a doctor or counselor's note is required before a rewrite will be allowed.

Marking:	Quizzes (best 4 out of 5)	20%
	Midterm	30%
	Final (cumulative)	50%

Grading Scheme

A	90-100%	C	63-66%
A-	85-89%	C-	60-62%
B+	80-84%	D+	54-59%
B	76-79%	D	50-53%
B-	70-75%	F	Below 50%
C+	67-69%		

The following is a list of important dates for this course.

Date

Jan. 07	First Day of classes.
Jan. 19	Quiz 1.
Feb. 02	Quiz 2.
Feb. 16-20	Mid-Semester Break
Feb. 25	Midterm Exam
Mar. 09	Quiz 3.
Mar. 23	Quiz 4.
Apr. 06	Quiz 5.
Apr. 10	Good Friday (no Classes)
Apr.15	Last Class

Note: The course content will be drawn from the first four chapters of the textbook, drawing from : Systems of Linear Equations, Gaussian Elimination, Homogeneous Equations, Network Flow, Chemical Reactions, Matrix Algebra, Matrix Inverses, Markov Chains, Determinants, Cofactor Expansion, Diagonalization , Linear Recurrences, Vectors and Lines, Projections and Planes, Cross Products, Matrix Transformations.