

Course: Math 116 College & Matrix Algebra		Course # 4199
Credits: 1	Commitment: 1 semester course, paired with 1 semester of Math 119	Grade: 12
A-G Category: meets “C” requirement	Estimated Homework Time: 45 min per day	
Level of Difficulty:	Moderate	Difficult ☒ Very Difficult
Recommended Prerequisite: “A/B/C” in AIM 3, “A/B” in IM 3, OR passing grade in Math 119 if that was completed first semester.		

Course Description:

This course is designed to strengthen the algebra skills of students seeking Business or Natural Science degrees who are required to take an applied calculus course. Topics in the course include the theory of functions; graphing functions; exponential and logarithmic functions; solving equations involving algebraic, exponential and logarithmic functions; solving systems of linear equations, matrix algebra, linear programming; modeling; and applications problems. Analytical reading and problem solving skills are required for success in this course.

Associate Degree credit and transfer to CSU.

Attendance and citizenship will be considered when determining placement in college classes.

Recommended Skills:

- Algebraic skills
- graphing different types of functions
- factoring a polynomial with degree higher than 3
- finding zeros of a polynomial function
- unit circle and other trig functions

Syllabus link: