

MA 421 College Geometry

Course Description: (3 semester hours) *Euclidean and non-Euclidean geometry including the topics of congruence, convexity and plane and space separation.*

Prerequisite: MA 126

Course Objectives:

1. *Demonstrate knowledge of Euclidean and non-Euclidean geometry.*
2. *Demonstrate knowledge of spatial relationships.*

Course Content:

1. *Algebra of the Real Numbers*
2. *Incidence Geometry in Planes and Space*
3. *Distance and congruence*
4. *Separation in Planes and Space*
5. *Congruence*
6. *Examples of Geometries*

Course Requirements:

1. *Students are assigned problems to be handed in or presented in class.*
2. *At least one in class exam is given and a final exam*

Attendance:

The University of North Alabama policy on class attendance states that whenever a student's cumulative absences for any reason exceed the equivalent of four weeks (2 weeks in summer session) of scheduled classes, no credit may be earned for the course. Individual instructors may have additional attendance requirements.

Accommodation Statement

In accordance with the Americans with Disabilities Act (ADA) and Section 504 of the Rehabilitation Act of 1973, the University offers reasonable accommodations to students with eligible documented learning, physical and/or psychological disabilities. Under Title II of the Americans with Disabilities Act (ADA) of 1990 and Section 504 of the Rehabilitation Act of 1973, a disability is defined as a physical or mental impairment that substantially limits one or more major life activities as compared to an average person in the population. It is the responsibility of the student to contact Developmental Services prior to the beginning of the semester to initiate the accommodation process and to notify instructors within the first three class meetings to develop an accommodation plan. Appropriate, reasonable accommodations will be made to allow each student to meet course requirements, but no fundamental or substantial alteration of academic standards will be made. Students needing assistance should contact Developmental Services.

University of North Alabama
Departmental Syllabus
(revised Spring 2007)