

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.

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