

## **MATH 580 Seminar**

1. Catalog Description

**MATH 580 Seminar (1-4)**

Built around topics in advanced mathematics chosen according to the common interests and needs of the students enrolled. Each seminar will have a subtitle according to the nature of the content. Total credit limited to 12 units. 1-4 seminars. Prerequisite: Graduate standing and consent of instructor.

2. Required Background or Experience

Graduate standing.

3. Learning Objectives

The student should gain:

- a. Increased knowledge and proficiency in problem solving techniques.
- b. Proficiency in researching and communicating mathematical ideas.
- c. Depth and breadth of mathematical background.
- d. Motivation for further study and investigation.

4. Text and References

Text to be selected as suitable for the content area studied during a given quarter. For some topics, possibly a list of library references would be more suitable than a unique text.

5. Minimum Student Materials

Diligence and perseverance.

6. Minimum University Facilities

Seminar room for “round table discussion.” Adequate chalkboard space.

7. Expanded Description of Content and Method

To be determined by selection of reference materials appropriate to implementing the expected outcomes in 3, above.

8. Methods of Assessment

Oral and written communication which will best accomplish the expected outcomes.