

## **MATH 400 Special Problems for Advanced Undergraduates**

### 1. Catalog Description

#### **MATH 400 Special Problems for Advanced Undergraduates**

**1-4 units**

Prerequisite: Junior standing and consent of department chair.

Individual investigation, research, studies, or surveys of selected problems. Total credit limited to 8 units.

### 2. Required Background or Experience

Students should have completed Math 242 or the equivalent and at least one upper division mathematics course.

### 3. Learning Objectives

Students should:

- a. Demonstrate to the supervising instructor a level of mastery appropriate to their joint understanding as to the scope of the proposed undertakings.

### 4. Text and References

Any appropriate for the proposed undertakings.

### 5. Minimum Student Materials

None.

### 6. Minimum University Facilities

Appropriate library resources.

### 7. Content and Method

Before enrolling in Math 400, a student in consultation with their supervising instructor will complete, sign, and submit a proposal to the department chair for approval. The format for the proposal should follow the sample format provided. Once the proposal is approved, the student will enroll in Math 400 for the number of units authorized.

#### Method

The supervising instructor shall schedule regular consultation periods with the student, at which time the student shall demonstrate satisfactory progress towards the goals outlined in the proposal they have jointly established.

8. Methods of Assessment

The method of evaluation will be consistent with the assessment methods contained in the approved proposal. See attached sample proposal.