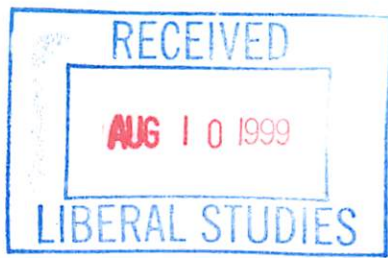


LSC Use Only  
Number: \_\_\_\_\_  
Submission Date: \_\_\_\_\_  
Action-Date: \_\_\_\_\_



UWUCC USE Only  
Number: 09-405  
Submission Date: \_\_\_\_\_  
Action-Date: UWUCC App 11/9  
Senate App 2/1

**CURRICULUM PROPOSAL COVER SHEET**  
University-Wide Undergraduate Curriculum Committee

**I. CONTACT**

Contact Person Jacqueline Gorman Phone 7-2608

Department Mathematics

**II. PROPOSAL TYPE (Check All Appropriate Lines)**

**COURSE** Number Theory-El Ed MA 457  
Suggested 20 character title

**New Course\*** \_\_\_\_\_  
Course Number and Full Title

**Course Revision** \_\_\_\_\_  
Course Number and Full Title

**Liberal Studies Approval+** \_\_\_\_\_  
**for new or existing course** Course Number and Full Title

**Course Deletion** \_\_\_\_\_  
Course Number and Full Title

**Number and/or Title Change** Introduction to Number Theory  
Old Number and/or Full Old Title

Number Theory for Elementary and Middle School  
New Number and/or Full New Title

**Course or Catalog Description Change** Teachers \_\_\_\_\_  
Course Number and Full Title

**PROGRAM:**  Major  Minor  Track

**New Program\*** \_\_\_\_\_  
Program Name

**Program Revision\*** \_\_\_\_\_  
Program Name

**Program Deletion\*** \_\_\_\_\_  
Program Name

**Title Change** \_\_\_\_\_  
Old Program Name

New Program Name

**III. Approvals (signatures and date)**

*John Johnson*  
Academy for  
Teacher Prep  
5/12/99

[Signature]  
Department Curriculum Committee

[Signature]  
College Curriculum Committee

[Signature] 3/5/99  
Department Chair

[Signature] 3/23/99  
College Dean

+ Director of Liberal Studies (where applicable)

\*Provost (where applicable)

## Part II. Description of Curriculum Change

1. Complete catalog description with the new number, title, number of credits, prerequisites, and an appropriately written course description.

MA 457 Number Theory for Elementary and Middle School Teachers 3c-01-3sh

Prerequisites: MA 152; Elementary Education concentration

Introduction to topics of elementary number theory including divisibility, prime numbers, factorization, modular arithmetic, problem solving, and place of number theory in the elementary school curriculum. Students will examine many number theory activities which can help to strengthen skills with basic facts in an interesting, nonroutine setting.

2. A listing of the proposed change giving the old title and number and the new title and number.

Old title and number:

MA 457 Introduction to Number Theory

New title and number:

MA457 Number Theory for Elementary and Middle School Teachers

3. Justification/rationale for the change.

There has been some confusion between this course and the course for Secondary Mathematics Education Majors, MA 353 Theory of Numbers. The new title, which reflects the purpose and content of the course, should help alleviate that confusion.

## Part III. Letters of Support

No other departments are affected by this change.