Rev. 3/2012

Request for CHANGING an Existing Course

FORM C ADMINISTRATIVE USE ONLY			
	UACM		UPRE
	UREL		HIST
	DIST		ESP
	CAT		

Effective: _____

Department Mathematics College Science

Course Rubric and # Math 6301 Date 10/23/2012

Present Course Description

Title **Implementing the NCTM Standards**

Semester Hours of Credit (1-3)

If combination course type, # hrs. of credit for lecture: ____ lab/sem /rec: ____

Repeat Credit Max (if repeatable) 9

Graduate Credit? Yes

Credit will not be given for this course and: _____

Contact Hours Per Week: (Indicate hours in appropriate course type.)

LEC [1] ____ LAB ____ SEM [2] ____ REC ____ RES/IND ____ CLIN/PRACT ____

Total Weekly Contact Hours: __3___

Grading System: Letter Grade _x____ Pass/Fail _____

Course Description:

Include course number, title, etc., exactly as it appears in the *General Catalog*

6301 Implementing the NCTM Standards I (3) *May be taken for a max. of 9 sem. hrs. of credit when topics vary. Enrollment is restricted to participants in the teacher-training and grant-supported programs.* Topics for mathematics teachers (K-5) to be selected from those in the Principles and Standards of School Mathematics of the National Council of Teachers of Mathematics.

Proposed Course Description

Title **Implementing Curriculum Standards for Mathematics in the Elementary Grades**

Short Title: Impl Stds Elem Math

Semester Hours of Credit (1-3)

If combination course type, # hrs. of credit for lecture: ____ lab/sem/rec: ___

Repeat Credit Max (if repeatable) 9

Graduate Credit? Yes

Credit will not be given for this course and: _____

Contact Hours Per Week: (Indicate hours in appropriate course type.)

LEC [1] ____ LAB ____ SEM [2] ____ REC ____ RES/IND ____ CLIN/PRACT ____

Total Weekly Contact Hours: __3___

Grading System: Letter Grade __x___ Pass/Fail _____

Course Description:

Include course number, title, etc., exactly as it will appear in the *General Catalog*

6301 Implementing Curriculum Standards for Mathematics in the Elementary Grades (1-3) *This course is intended primarily for participants in teacher-training programs.* Mathematics selected from nationally recognized curriculum standards for the elementary grades, treated with attention to depth and the specific needs of teachers. *May be repeated for up to 9 sem. hrs. credit if topics vary.*

THESE QUESTIONS MUST BE ANSWERED COMPLETELY AND ACCURATELY OR PROPOSAL WILL BE RETURNED.

Has this change been discussed with and approved by all departments/colleges affected? **Yes (x) No ( ) N/A ( )**

Is this course included in any curricula, concentrations, or minors? **Yes ( ) No (x)** If yes, please list on a separate sheet.

Is this course a prerequisite or corequisite for other courses? **Yes ( ) No (x)** If yes, list courses; use separate sheet.

Is this course on the General Education list? **Yes ( ) No (x)**

JUSTIFICATION/EXPLANATION: Use separate sheet.

Note: IF COURSE IS OR WILL BE CROSS-LISTED, SEPARATE FORMS MUST BE SUBMITTED BY EACH DEPARTMENT.

APPROVALS:

Department Faculty Approval Date _____

Department Chair's Signature (Date)

Graduate Dean's Signature (Date)

College Contact: _____

(Please print name.)

College Contact E-mail: _____

College Faculty Approval Date _____

College Dean's Signature (Date)

Chair, FS C & C Committee (Date)

Academic Affairs Approval (Date)

Justification

6301 Implementing Curriculum Standards for Mathematics in the Elementary Grades

The existing description was written in the 1990s, when the NCTM Standards were the most articulate standards for school mathematics that had national recognition. Since then, many state standards have been developed. At present, the Common Core Standards have been adopted by almost all states. It is no longer useful, therefore, to have a reference to the NCTM Standards in the course title and description.

Relationship to other courses. This course is not an "instructional methods" course, and does not overlap with any School of Education courses such as EDCI 7109 Studies in the Teaching of Elementary Mathematics or EDCI 7141 Studies in the Teaching of Mathematics in Secondary Schools, which are concerned with "techniques and materials for teaching…mathematics" and with "relationship[s] between learning theories and acquisition of mathematical skills and concepts".

Comments. The course will treat mathematical concepts that are significant in recognized curriculum standards. The course is balanced in treating mathematics with rigor and depth as well as paying attention to the mathematical problems that teachers encounter in communicating about mathematics and in designing and delivering instruction.