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|------------------|------------------|--------------------|--------------------|---------------------|
| LSC Use Only No: | LSC Action-Date: | UWUCC USE Only No. | UWUCC Action-Date: | Senate Action Date: |
|                  |                  | 08-47              | AP-1-13-09         | App-1/27/09         |

**Curriculum Proposal Cover Sheet - University-Wide Undergraduate Curriculum Committee**

|  |                                  |
|--|----------------------------------|
| Contact Person<br>Dr. Janet Walker       | Email Address<br>jwalker@iup.edu |
| Proposing Department/Unit<br>Mathematics | Phone<br>724-357-2741            |

Check all appropriate lines and complete information as requested. Use a separate cover sheet for each course proposal and for each program proposal.

**1. Course Proposals (check all that apply)**

New Course                       Course Prefix Change                       Course Deletion  
 Course Revision                       Course Number and/or Title Change                       Catalog Description Change

|   |  |
|---|--|
| <u>Current</u> Course prefix, number and full title<br><b>MATH 460: Technology in Mathematics Instruction</b> | <u>Proposed</u> course prefix, number and full title, if changing<br><b>same</b> |
|---|--|

**2. Additional Course Designations: check if appropriate**

This course is also proposed as a Liberal Studies Course.                       Other: (e.g., Women's Studies, Pan-African)  
 This course is also proposed as an Honors College Course.

**3. Program Proposals**

New Degree Program                       Catalog Description Change                       Program Revision  
 New Minor Program                       Program Title Change                       Other  
 New Track

|                             |   |
|-----------------------------|---|
| <u>Current</u> program name | <u>Proposed</u> program name, if changing |
|-----------------------------|---|

| 4. Approvals   | Date     |
|--|----------|
| Department Curriculum Committee Chair(s) <i>Janet Walker</i>                                   | 9-9-08   |
| Department Chair(s) <i>[Signature]</i>   | 9/15/08  |
| College Curriculum Committee Chair <i>[Signature]</i>  | 10/08/08 |
| College Dean <i>[Signature]</i>  | 10/08/08 |
| Director of Liberal Studies * <i>[Signature]</i>   | 12/3/08  |
| Director of Honors College *   |          |
| Provost *  |          |
| Additional signatures as appropriate:<br><i>TECC</i> (include title) <i>Joseph L. March...</i> | 12-03-08 |
| UWUCC Co-Chairs <i>Gail S. Schuist</i>   | 1-14-09  |

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## Part II. Description of Curriculum Change

- Course Name:** MATH 460 Technology in Mathematics Instruction  
**Class and Lab Hour Designation:** 3c-0l-3cr  
**Number of Credits:** 3  
**Prerequisites:** COSC 110, Junior Status (57+ credits), must have a declared major in Mathematics Education or permission of instructor, and must have completed EDUC 242 with a “C” or better.  
**Catalog Description:** Laboratory based and designed to provide preservice mathematics teachers with expertise in instructional technology for teaching mathematics at the secondary level. A strong emphasis is placed upon the integration of pedagogy and subject matter knowledge. Must be taken within two semesters prior to student teaching.
- Proposed Change:** The only change that is proposed is to add two prerequisites for the course.  
**OLD Prerequisites:** COSC 110 and Junior Status  
**Catalog Description:** Laboratory based and designed to provide preservice mathematics teachers with expertise in instructional technology for teaching mathematics at the secondary level. A strong emphasis is placed upon the integration of pedagogy and subject matter knowledge. Open to secondary mathematics education majors only and must be taken within two semesters prior to student teaching.
- Justification/rationale for the change:** This course is designed specifically for Mathematics Education students unless otherwise approved by the instructor. Thus, adding the prerequisite of “must have a declared major in Mathematics Education or permission of instructor” is requested. Furthermore, the Mathematics Education program has found that students are not prepared for MATH 460 if they have not taken EDUC 242. In EDUC 242, students learn how to write lesson plans and observe in various public school classrooms. If students have not had the instruction on how to write a lesson plan and do not have a point of reference for what is happening in the public school classrooms (from a teacher’s perspective) they struggle with the course. As a program, we would like the students to be better prepared for this course and we feel that adding the prerequisite will help all students.

## Part III. Letters of Support or Acknowledgement

This prerequisite change does not affect any other departments.