

## Information Item

Title of proposal (must begin with department abbreviation): TEM Education-Modification of Catalog Entry for STEM 2020

Place an X next to the ones that apply:

<input type="checkbox"/>	Renaming a course
<input type="checkbox"/>	Renumbering a course, other than increasing or decreasing by multiples of 1000 (e.g., 1010 to 1200; or 2030 to 2300)
<input checked="" type="checkbox"/>	Editorial changes to the catalog text or other official documents for clarity or to reflect approved and established policies, procedures and requirements
<input type="checkbox"/>	Cross-listing an existing course
<input type="checkbox"/>	Removing departmental courses that have not been offered for at least three years and that the department would like to have removed from the catalog.
<input type="checkbox"/>	Changing the name of a major or concentration when no curriculum changes are involved.

Effective date: Fall 2015

Contact information:

Spokesperson Name:Margaret Kovach	Department:STEM Education
Building:CANX	Office Number:111
Phone Extension:2553 or 4397	Email:Margaret-Kovach@utc.edu

Faculty of the originating department approved this proposal on 9/10/2014 (date) by a vote of 2 aye votes; 0 nay votes; 0 abstentions; 2 eligible voting members absent

1. Description of proposed changes

We request that a lab/studio fee be applied to the course.

2. Rationale for requested change

Include any information and/or data which is being used to justify the change(s).

3.

Three of the required courses in the STEM Education program include a field placement component where students plan and teach a number of inquiry-based lessons in actual elementary and secondary classrooms. In order for the lessons to be meaningful and authentic for the students, the STEM teachers must provide a variety of hands-on materials for the exploration portion of the experience. These materials are expendable and must be replenished for each teaching experience. The rationale for applying a lab/studio fee is that this course is a field placement course. Classroom activities include design and development of inquiry-based lesson plans and teaching activities for elementary and middle school students. The students then actively implement these lessons in participating area schools (the field placement). As part of the implementation the students put together teaching "kits" that they bring with them to the classroom so that their students can engage in planned activities. The laboratory fee is to cover the cost of expendable supplies and technology used in developing and implementing the classroom activities (e.g. software for teaching, scientific and mathematic applications, reagents and supplies for teaching activities etc.)

Proposal Status: Workflow Started

4. Current course or listing in the Catalog

Prefix: STEM	Number: 2020
Title: Classroom Interactions	Credit Hours: 3
Prerequisites: STEM 2010 or STEM Education Director approval	Co-Requisites:
Cross-listed courses:	

5. Current course description or listing in the Catalog

STEM 2020 - Classroom Interactions

(3) Credit Hours

Principles of delivering effective instruction in various formats (lecture, lab, cooperative settings); examination of gender, class, race, and culture in mathematics and science education; overview of policy related to mathematics and science education. Every semester. Field component. No credit toward Education degree. Prerequisites: Admission to the STEM Education program; university, STEM, and major department grade point averages of at least 2.75; STEM 2010 with a minimum grade of C or STEM Education program Co-Director approval.

6. Proposed new course as it will be listed in the Catalog

Prefix: STEM	Number: 2020
Title: Classroom Interactions	Credit Hours: 3
Prerequisites: STEM 2010 or STEM Education Director approval	Co-Requisites:
Cross-listed courses:	

7. Proposed new course description to be listed in the Catalog (catalog copy)

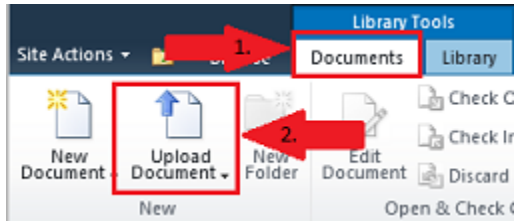
Principles of delivering effective instruction in various formats (lecture, lab, cooperative settings); examination of gender, class, race, and culture in mathematics and science education; overview of policy related to mathematics and science education. Every semester. Field component. No credit toward Education degree. Prerequisites: Admission to the STEM Education program; university, STEM, and major department grade point averages of at least 2.75; STEM 2010 with a minimum grade of C or STEM Education program Director approval. Lab/studio course fee will be assessed.

Direction for uploading supporting documents:

1. To upload your model syllabus to the folder for your proposal go to <https://spaces.utc.edu/sites/UndergraduateProposal>.
2. Next, click on the name of your proposal under "My Proposals".

## Proposal Status: Workflow Started

3. Click the "Documents" tab and then click the "Upload Document" tab.



**Important:** After completing your proposal you must start the *Curriculum Proposal Workflow*.

To begin workflow:

1. Click on the name of your proposal below.
2. Next, click the "Document Set Manage" tab in the ribbon at the top of the page and select the "Workflows" button.



3. Under "Start a New Workflow" click "Curriculum Proposal Workflow" and then click the "Start" button.

## Workflow Sequence for Information Item

1. Department Head
2. College Curriculum Committee
3. College Dean
4. Other Areas Affected (If any)
5. Records Office
6. Associate Provost
7. Faculty Senate Curriculum Committee