

Proposal Status: Workflow Started

Information Item

Title of proposal (must begin with department abbreviation): STEM Education-Modification of Catalog Entry for STEM 3020

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 propose to modify the catalog entry to be more descriptive of course activities and to request that a lab 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.

Research Methods is primarily a laboratory course, and most of the topics covered are developed in connection with three independent research inquiries that students design and carry out. Students develop and execute these experiments to answer scientific questions and then analyze the results and present their findings in written and oral formats. The laboratory fee is requested to cover the cost of reagents, supplies, materials, instrumentation and technological/mathematical software needed to carry out the series of three independent inquiries developed by each student enrolled in the course.

4. Current course or listing in the Catalog

Prefix: STEM	Number: 3020
Title: Research Methods in Science	Credit Hours: 3
Prerequisites: STEM 2020 or STEM Education Director approval	Co-Requisites:

Cross-listed courses:	
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5. Current course description or listing in the Catalog

Recent developments and research methods in science. Every semester. Limited to STEM Education students only. 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; ENGL 1020 or UHON 1020, an approved general education statistics course and completion of all 1000-level major courses with a minimum grade of C; STEM 2020 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

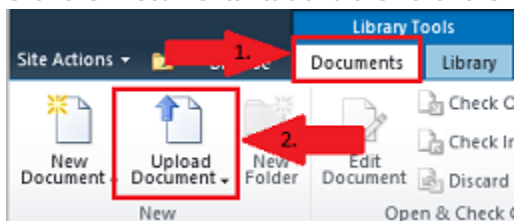
Prefix: STEM	Number: 3020
Title: Research Methods in Science	Credit Hours: 3
Prerequisites: STEM 2020 or STEM Education Director approval	Co-Requisites:
Cross-listed courses:	

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

Recent developments in inquiry-based teaching and research methods in science. Students perform independent inquiries and learn to combine skildd from mathematics and science to solve research problems. Every semester. Limited to STEM Education students only. 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; ENGL 1020 or UHON 1020, an approved general education statistics course and completion of all 1000-level major courses with a minimum grade of C; STEM 2020 with a minimum grade of C or STEM Education program Director approval. Lab/studio course fee will be assessed.

Direction for uploading supporting documents:

- To upload your model syllabus to the folder for your proposal go to <https://spaces.utc.edu/sites/UndergraduateProposal>.
- Next, click on the name of your proposal under "My Proposals".
- Click the "Documents" tab and then click the "Upload Document" tab.

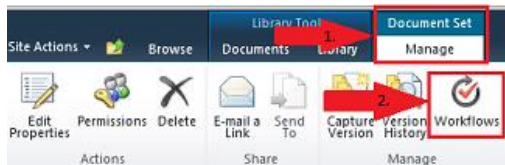


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Important: After completing your proposal you must start the *Curriculum Proposal Workflow*.

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