Term Information

Effective Term: Autumn 2012
Previous Value: Summer 2012

Course Change Information

What change is being proposed? (If more than one, what changes are being proposed?)
Addition of regional campuses

What is the rationale for the proposed change(s)?
They can't run their program requirements without this course

What are the programmatic implications of the proposed change(s)?
(e.g. program requirements to be added or removed, changes to be made in available resources, effect on other programs that use the course)?
Students will not be able to complete their degree and licensure requirements without this course.

Is approval of the request contingent upon the approval of other course or curricular program request? No

Is this a request to withdraw the course? No

General Information

Course Bulletin Listing/Subject Area: Education: Teaching & Learning
Fiscal Unit/Academic Org: School of Teaching & Learning - D1275
College/Academic Group: Education & Human Ecology
Level/Career: Graduate, Undergraduate
Course Number/Catalog: 5744
Course Title: Technologies Used in STEM
Transcript Abbreviation: TechUsedinSTEM
Course Description: The role and scope of educational technology for standards based STEM instruction. Exploration of areas in which mathematics, science education, and technology education can effectively use educational technology in a pedagogically sound manner.

Semester Credit Hours/Units: Fixed: 3

Offering Information

Length Of Course: 14 Week
Flexibly Scheduled Course: Never
Does any section of this course have a distance education component? Yes
Is any section of the course offered Less than 50% at a distance
Grading Basis: Letter Grade
Repeatable: No
Course Components: Laboratory, Lecture
Grade Roster Component: Lecture
Credit Available by Exam: No
Admission Condition Course: No
Off Campus: Never
Campus of Offering: Columbus, Lima, Mansfield, Marion, Newark

Previous Value: Columbus
Prerequisites and Exclusions

Prerequisites/Corequisites
Exclusions: Not open to students with credit for 750.

Cross-Listings

Subject/CIP Code

<table>
<thead>
<tr>
<th>Subject/CIP Code</th>
<th>Subsidy Level</th>
<th>Intended Rank</th>
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<tbody>
<tr>
<td>13.0101</td>
<td>Masters Course</td>
<td>Junior, Senior, Masters</td>
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Quarters to Semesters

Quarters to Semesters: Modified or re-envisioned course that includes substantial parts of the content and learning goals of one or more quarter courses

List the current courses by number and title that are to be subsumed into proposed course: EduTL 750: Fundamental Ideas of School Technology

Requirement/Elective Designation

Required for this unit's degrees, majors, and/or minors

Course Details

Course goals or learning objectives/outcomes:

- Understand the role and scope of educational technology for standards based STEM instruction
- Describe areas in which mathematics, science education, and technology education can effectively use educational technology in a pedagogically sound manner
- Demonstrate the application of the design process to communicating in STEM classrooms. Plan, shoot, and edit video useful for standards based STEM instruction
- Use basic productivity software including presentation software for standards based STEM instruction
- Use calculators and computers to collect data using probes and sensors for standards based STEM teaching and learning
- Use handheld audience response system devices for standards based STEM instruction

Content Topic List:

- Educational technology for standards based STEM instruction
- Basic productivity software for STEM instruction
- Handheld audience response systems in instruction

Attachments
Comments