Course Change Information

What change is being proposed? (If more than one, what changes are being proposed?)
Shorten course title

What is the rationale for the proposed change(s)?
Simplification

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)?
None

Is approval of the request contingent upon the approval of other course or curricular program request? 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
Course Number/Catalog  7748
Course Title  Using Community and Culture to Teach STEM

Previous Value  Using Community and Culture to Teach Science, Technology, Engineering, and Mathematics (STEM)
Transcript Abbreviation  Com & Cul Tch STEM
Course Description  Explores a place-based approach to develop learning experiences that use the local community and culture as a real-world context to teach STEM to K-12 students. This course is appropriate for K-12 teachers and MA or PhD students.

Semester Credit Hours/Units  Fixed: 3

Offering Information

Length Of Course  14 Week, 7 Week, 4 Week (May Session), 12 Week (May + Summer)
Flexibly Scheduled Course  Sometimes
Does any section of this course have a distance education component?  No
Grading Basis  Letter Grade
Repeatable  No
Course Components  Lecture
Grade Roster Component  Lecture
Credit Available by Exam  No
Admission Condition Course  No
Off Campus  Sometimes
Campus of Offering  Columbus, Lima, Mansfield, Marion, Newark

Prerequisites and Exclusions

Prerequisites/Corequisites
Exclusions  Not open to students with credit for 846.

Cross-Listings
Cross-Listings

Subject/CIP Code

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<th>13.12</th>
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<tr>
<td>Subsidy Level</td>
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<td>Intended Rank</td>
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Quarters to Semesters

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<th>Modified or re-envisioned course that includes substantial parts of the content and learning goals of one or more quarter courses</th>
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<td>List the current courses by number and title that are to be subsumed into proposed course</td>
<td>Edu'TL 846: Development of Technology Education Vocational-Education Programs for Special Needs and Culturally D.</td>
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Requirement/Elective Designation

The course is an elective (for this or other units) or is a service course for other units

Course Details

Course goals or learning objectives/outcomes

• Synthesize and critically review the literature on place-based or place-conscious education and its infrastructure education
• Know and apply strategies to identify community and cultural values, needs, and resources related to STEM content standards
• Design and evaluate lessons based upon tenets of place-based pedagogy or place-conscious pedagogy that are aligned with local, state, and national STEM content standards
• Develop an awareness, sensitivity, appreciation, and respect for different communities and cultures

Content Topic List

• Place-Based Pedagogy and Place-Conscious Pedagogy
• Strategies to Identify Community and Cultural Values, Needs, and Resources
• Critical Pedagogy and Culturally Responsive Pedagogy
• Ethnomathematics
• Ethnoscience
• STEM Integration
• Outdoor Education and Environmental Education
• Technology and Engineering Education

Attachments

Comments
## Workflow Information

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