Term Information

Effective Term
Summer 2013

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
5515

Course Title
Science and Mathematics for Students with Sensory Impairments

Transcript Abbreviation
HI/VI Math Science

Course Description
This course is designed to allow students to develop theoretical background, pedagogical content, and skills essential for teaching science and mathematics. Emphasis will be placed on modifying science and mathematical content for students with sensory impairments.

Semester Credit Hours/Units
Fixed: 3

Offering Information

Length Of Course
4 Week (May Session)

Flexibly Scheduled Course
Never

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
Never

Campus of Offering
Columbus

Prerequisites and Exclusions

Prerequisites/Corequisites

Exclusions

Cross-Listings

Cross-Listings
925.52 HI/VI Math and Science

Subject/CIP Code

Subject/CIP Code
13.0101

Subsidy Level
Masters Course

Intended Rank
Senior, Masters

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
925.52 HI/VI Math and Science

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

Course Details

Course goals or learning objectives/outcomes
1. Demonstrate familiarity with Ohio standards in both mathematics and science.
2. Understand constructivist learning theory and its role in learning classroom mathematics and science for students with sensory impairments.

Content Topic List
• Constructivism
• Common Core Standards
• problem-based learning
• early number sense
• addition, subtraction
• multiplication, division
• fractions
• decimals
• geometry
• measurement
• inquiry-based learning
• Ohio Science Standards
• 5-E plan
• science core

Attachments
• HIVI MathandsScience_Semesters.doc: Syllabus
  (Syllabus. Owner: Wild,Tiffany Ann)

Comments
• Approved by GSC November 6, 2012. (by Mercerhill,Jessica Leigh on 11/06/2012 03:48 PM)
• Please note that no textbook specific to teaching students with sensory impairments exists in our field. In addition there is very limited research on math and science in the HI and VI communities. This course is necessary to not only addresss methodology but the unique needs of both populations when teaching this subject matter. (by Wild,Tiffany Ann on 10/10/2012 02:29 PM)
### Workflow Information

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