Term Information

Effective Term: Summer 2013
Previous Value: Summer 2012

Course Change Information

What change is being proposed? (If more than one, what changes are being proposed?)
The credit hour value (now 3 hours) should be changed permanently to 1.

What is the rationale for the proposed change(s)?
The licensure requirements that account for the 2 remaining credit hours will be re-distributed across other VI coursework.

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)?
A reduction of 2 credit hours for student pursuing the VI license. No implication on the overall degree.

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
Course Number/Catalog: 6506
Course Title: Modes of Communication and Instructional Materials for Students with Visual Disabilities
Transcript Abbreviation: Nemeth
Course Description: Continuation of the examination of expressive modes of written communication with a focus on the Nemeth Code for mathematics and science. Knowledge of teaching strategies for mathematics is also studied.
Semester Credit Hours/Units: Fixed: 1
Previous Value: 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
Prerequisites and Exclusions

Prerequisites/Corequisites
Prereq: 6505.

Exclusions
Not open to students with credit for 835.

Cross-Listings

Cross-Listings

Subject/CIP Code

Subject/CIP Code: 13.1003
Subsidy Level: Masters Course
Intended Rank: Masters, Professional

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

Requirement/Elective Designation

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

Course Details

Course goals or learning objectives/outcomes
• Learn the Nemeth Code -- a complex, special type of Braille used for math science notations. Write using both Nemeth and Grade 2 Braille
• Learn teaching strategies for Mathematics and Science in the core curriculum.
• Course must cover and support acquisition of this new Braille system, along with complex math and science concepts and functions (computation, Algebra, geometry, etc.), and teaching strategies.

Content Topic List
• Nemeth Code
• Teaching strategies
• Writing lesson plans

Attachments

• Nemeth-Semesters.doc: Syllabus
  (Syllabus. Owner: Wisnor,Steven Thomas)

Comments

• Approved by GSC. Oct 9, 2012 (by Mercerhill,Jessica Leigh on 10/09/2012 10:14 AM)
• please attach syllabus (by Odum,Sarah A. on 09/28/2012 11:49 AM)
• Submitted on behalf of Dr. Tiffany Wild, who emailed the request to T&LScheduling on 9/21/12. (by Wisnor,Steven Thomas on 09/24/2012 09:19 AM)
### Workflow Information

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<td>09/24/2012 09:20 AM</td>
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Description:
This course is a continuation of the examination of expressive modes of written communication with a focus on Nemeth Code for mathematics and an introduction on science notation. Course content builds on knowledge of teaching strategies for reading and writing, mathematics, and science notation in the core curriculum.

Course Objectives:
Students will demonstrate knowledge of:
- strategies for teaching basic concepts to individuals with visual impairments
- strategies for teaching the use of talking calculator and tactile graphics
- strategies for teaching tactual perceptual skills to individuals with visual impairments.
- techniques for modifying instructional methods and materials for individuals with visual impairments.

Textbook:


Week 1: Introduction to Nemeth Code and Teaching Mathematics to a student with visual impairments
Watch: DVD “Perspectives of a Math Teacher”
Assignment: Write a 2-3 page reflection of the video
Read: Chapter 13: Scalars
Assignment: Chapter 13 Self-test
Attend Mandatory Abacus Training Session May 11th. Bring homework to this session.

Week 2: Signs and Symbols of Operation
Watch: Early Childhood Concepts – Video segments #5 and #1 and Primary Grade Levels – Video segments #2 and #3
Read: Nemeth pgs. 1-15
Assignment: Practice Problems pages. 7, 9, 10, 11, and 14 and Homework Week 2 on handout. Write 4 tips to use in the future for each video segment watched.

Week 3: Fractions
Watch: Intermediate Grade Levels – video segments #4 and #5 and Algebra – video segments #3 and #7
Read: Nemeth 16 – 20; 26-32
Assignment: Practice problems on pages 16, 17, and 20 Homework Week 3 on handout
Write 4 tips from each of the video segments watched

Week 4: Symbols
Read: Nemeth 33 - 34
Assignment: Practice problems on page 34 Homework week 7 on handout

Final Project: Write a math lesson plan for a student with a visual impairment that incorporates Nemeth Code. The lesson is to cover an Ohio Common Core Mathematical Standard. Be sure to indicate the grade level and standard used as the basis for the lesson plan. You may use ideas from the various DVDs. Be sure to give credit to all sources used in writing the lesson plan.

Final Exam: Posted Online
Final Exam will be posted on the homepage. You will need to access it during the week of finals and be sure that it is received by your instructor by Friday.

Nemeth Grading Policy:
All assignments must be postmarked by the assigned date! This course helps you to learn the Nemeth Braille code. Assignments cannot be sent out late. If there is an emergency, please contact the instructor and together an alternative due date will be determined.

Lesson Tips Policy:
Lesson Tips must be placed in the drop box no later than the postmarked date for the week’s assignment. If an emergency arises, please contact the instructor and together an alternative due date will be determined.

Final Exam Due Date: No Late Papers Accepted

Assignments:
Nemeth exercises: 50 points. Each week
Lesson/Tip sheets: 60 points
Perspectives Review: 20 points.
Final exam: 100 points.
Lesson Plan: 100 points

Assignments:
1. Each week video segments are assigned, write at least 4 tips or helpful hints you feel will help you in the future when teaching mathematics (20 points for each week). Place each of these tip sheets in the drop box on Carmen.
2. Write a 2-3 page review of the video “Perspectives of a Math Teacher” (20 pts.) Place this in the dropbox.
3. Create mathematical lesson plans for a student with visual impairments. You will need to decide the age level and the concepts you will be teaching. You may use information from the internet or video segments to help. (100 points) Place lesson plan in the drop box.

Grading Scale:
A 93-100%
A- 90-92
B+ 87-89
B 83-86
B- 80-82
C+ 77-79
C 73-76
C- 70-72
D+ 67-69
D 60-66
E 59% or less

Student Conduct:
Students are expected to fully participate in all class assignments and papers.

Academic Misconduct – The Ohio State University’s Code of
Student Conduct (Section 3335-23-04) defines academic misconduct as: “Any activity that tends to compromise the academic integrity of the University, or subvert the educational process.” Examples of academic misconduct include (but are not limited to) plagiarism, collusion (unauthorized collaboration), copying the work of another student, and possession of unauthorized materials during an examination. Ignorance of the University’s Code of Student Conduct is never considered an “excuse” for academic misconduct.

If I suspect that a student has committed academic misconduct in this course, I am obligated by University Rules to report my suspicions to the Committee on Academic Misconduct. If COAM determines that you have violated the University’s Code of Student Conduct (i.e., committed academic misconduct), the sanctions for the misconduct could include a failing grade in this course and suspension or dismissal from the University. For additional information, see the Code of Student Conduct (http://studentaffairs.osu.edu/pdfs/csc_12-31-07.pdf).

Intellectual Property/Audio and Video Recording – Video or audio recording of classes without the explicit written permission of the instructor/professor is a violation of the Code of Student Conduct or Students who wish to record their classes must first obtain written permission of the instructor/professor. Otherwise, such recording constitutes a violation of the Code of Student Conduct.

ODS Statement – Any student who feels s/he may need an accommodation based on the impact of a disability should contact one of the instructors privately to discuss specific needs. The Office of Disability Services is relied upon for assistance in verifying the need for accommodations and developing accommodation strategies. Please contact the Office for Disability Services at 614-292-3307 (V) or 614-292-0901 (TDD) in room 150 Pomerene Hall to coordinate reasonable accommodations; http://www.ods.ohio-state.edu/. Please make sure that students know they will be expected to follow Americans with Disabilities Act Guidelines for access to technology.

Grievances and Solving Problems – According to University Policies, available from the Division of Student Affairs, if you have a problem with this class, “You should seek to resolve a grievance concerning a grade or academic practice by speaking first with the instructor or professor: Then, if necessary, with the department chairperson, college dean, and provost, in that order. Specific procedures are outlined in Faculty Rule 3335-7-23, which is available.
from the Office of Student Life, 208 Ohio Union.” “Grievances against graduate, research, and teaching assistants should be submitted first to the supervising instructor, then to the chairperson of the assistant’s department.”

**Statement on Diversity** – The College of Education and Human Ecology affirms the importance and value of diversity in the student body. Our programs and curricula reflect our multicultural society and global economy and seek to provide opportunities for students to learn more about persons who are different from them. Discrimination against any individual based upon protected status, which is defined as age, color, disability, gender identity or expression, national origin, race, religion, sex, sexual orientation, or veteran status, is prohibited.

**Technology** – This course requires students to have access to Carmen and a suitable computer for this purpose. All documents created in this course can be used in the student’s electronic portfolio.

**Disability Statement:** Any student with a disability will need to contact the office of disability services. The instructor will work with the office to make sure all materials and coursework are accessible.

**CEC Standards:**

Standard 4: Instructional Strategies
- Strategies for teaching basic concepts to individuals with visual impairments
- Strategies for teaching the use of talking calculator and tactile graphics
- Strategies for teaching tactual perceptual skills to individuals with visual impairments.
- Techniques for modifying instructional methods and materials for individuals with visual impairments.