Term Information

Effective Term

Summer 2016

Previous Value

Summer 2013

Course Change Information

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

Change in number to 5000 level.

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

We are requesting a number change to EDUTL 5508 to allow Early Childhood Education program to take courses along with their peers in the current licensure only and MED program in visual impairments. This will allow the option for Early Childhood Education licensure majors to obtain and additional licensure in visual impairments.

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)?

Moving the course numbers to a 5000 level will save the university financially. Currently the licensure only program is fully funded. The grant funds are used to pay for adjunct faculty to teach courses that Dr. Wild cannot teach due to a full teaching load. It is expected that once grant funding runs out Dr. Wild will re-apply for additional funds. However it is also expected that the courses will be self-sustaining due to increased enrollment from this new program.

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

Previous Value

Graduate

Course Number/Catalog

5508

Previous Value

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

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

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### Prerequisites and Exclusions

**Prerequisites/Corequisites**  
Prereq: EDUTL 6505/5505.

**Previous Value**  
Prereq: 6505.

**Exclusions**  
Not open to students with credit for 835 or 6506.

**Previous Value**  
Not open to students with credit for 835.

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### Cross-Listings

**Cross-Listings**

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### Subject/CIP Code

**Subject/CIP Code**  
13.1003

**Subsidy Level**  
Doctoral Course

**Intended Rank**  
Senior, Masters, Doctoral, Professional

**Previous Value**  
Masters, Professional

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### Requirement/Elective Designation

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

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### 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

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### Attachments

* Nemeth-Semesters_2015.doc

  (Syllabus. Owner: Mercerhill,Jessica Leigh)

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### Comments

* Approved by UGSC 1/29/16

Facult contact is Tiffany Wild. (by Mercerhill,Jessica Leigh on 02/02/2016 02:56 PM)
## Workflow Information

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Instructor: Dr. Tiffany Wild
Office: Ramseyer 222A
E-Mail: wild.13@osu.edu
Office: 222 Ramseyer

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:


May 11-16
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 – Place in the dropbox
Read: Chapter 13: Scalars
Assignment: Chapter 13 Self-test – Due in dropbox by May 17th at midnight.
*Begin working on UEBot Training – must finish this training by the end of the session. Certificate must be placed in dropbox to note passing of requirements. This will serve to meet state requirements in the UEB Transition Plan.

May 18 - 23
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. All due in dropbox by midnight May 24th.

May 26th – May 30th
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. All due in dropbox by midnight May 31st.

June 1 – June 5th
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. All projects and assignments will be due by midnight on June 5th.
Final Exam: Posted Online
Final Exam will be posted on the homepage. You will need to access it during the final week and be sure that it is received by your instructor by Friday June 5th.

Nemeth Grading Policy:
All assignments must be posted 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
UEBot Certification: 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.
4. Complete the UEBot Certification Program

Grading Scale:
A 93-100%
A- 90-92
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.