Host University: George Mason University
College of Education and Human Development
Division of Special Education and disAbility Research

Spring 2014
3 - Credits

- GMU – EDSE 616 6V1: Braille Reading and Writing
  - CRN: 20637
- JMU – EXED 632 Braille Reading and Writing
- RU – EDSP 656 Braille Reading and Writing
- NSU – SPE 712 Braille Reading and Writing
- ODU – SPED 6389 Braille Reading and Writing

Instructor: Dr. Holly Lawson
Phone: 703-993-5625
E-Mail: hlawson2@gmu.edu
Office Hours: Wednesdays 9:00 am-10:00 am and Thursdays 4:00-5:00 pm via Blackboard Collaborate

Meeting Dates: 01/21/14 - 04/30/14
Meeting Day(s): Wednesday
Meeting Time(s): 4:00 pm-6:40 pm
Meeting Location: GMU students: KA 101; non-GMU students: video conferenceing sites at participating universities

Note: This syllabus may change according to class needs. Students will be advised of any changes immediately through George Mason e-mail and/or through Blackboard.

Course Description
Provides basic instruction on transcription of advanced Braille codes, including music, foreign language, chemistry, computer Braille, and Nemeth code (Braille math code). Introduces techniques for teaching skills in each code. Explores technology tools used to create Braille and tactile materials in addition to other assistive technologies used for instruction in math and science.

Prerequisite(s): EDSE 511 (may be taken concurrently); EDSE 512 (offered fall semester)

Co-requisites: None

Advising Contact Information
Please make sure that you are being advised on a regular basis as to your status and progress through your program. Mason M.Ed. and Certificate students should contact the Special Education Advising Office at (703) 993-3670 for assistance. All other students should refer to their faculty advisor.

Nature of Course Delivery
Learning activities include the following:
1. Class lecture and discussion
2. Application activities
3. Small group activities and assignments
4. Video and other media supports
5. Research and presentation activities
6. Electronic supplements and activities via Blackboard

Learner Outcomes
Upon completion of this course, students will be able to:
• transcribe and read mathematical materials for school aged students using Nemeth code.
• calculate mathematical problems using the Cranmer abacus, including addition, subtraction, multiplication, and division.
• demonstrate knowledge of materials and instructional strategies for teaching mathematics and science to students with visual disabilities.
• demonstrate basic knowledge of foreign language, computer, and music codes, and to identify resources for obtaining information on these codes.
• demonstrate knowledge of basic guidelines for production of tactile graphics.
• identify strategies for teaching the reading of tactile graphics to students with visual impairment.
• demonstrate knowledge of technology tools for creating braille materials and tactile graphics.
• demonstrate the use of a slate and stylus to produce accurate braille.
• demonstrate knowledge of materials and instructional strategies for teaching reading and writing of literary braille.

Required Textbooks
Order from American Printing House for the Blind:
print version ......................... Catalog Number: 7-60050-00
braille version ......................... Catalog Number: 5-60050-00
Order from: [American Foundation for the Blind](https://www.afb.org)

Order from: [Texas School for the Blind and Visually Impaired](https://www.tsbvi.edu)

**Recommended Textbooks**

**Required Resources and Technology**
- Cranmer Abacus - American Printing House for the Blind. **Catalog Number:** 1-03150-00
- Slate & Stylus. Available from American Printing House for the Blind
- Heavyweight braille paper, 8 1/2" x 11"
- Standard Perkins Brailler (Available through VI Consortium on Loan)
- Nemeth Code reference sheet. Available from American Printing House for the Blind. Braille copy: **Catalog Number:** 5-87400-00
- Print Copy: **Catalog Number:** 7-87500-00
- Personal computer with computer keyboard capable of six key entry
- Free ware, Perky Duck, from Duxbury Systems (for those who choose to submit homework electronically)
- Personal computer
- An Internet connection
- A headset with microphone (home streamers only)
- A webcam (home streamers only)

**Additional Readings**
Additional required readings are posted on Blackboard.


**Course Relationships to Program Goals and Professional Organizations**

This course is part of the Virginia Consortium for Teacher Preparation in Vision Impairment Program for teacher licensure in the Commonwealth of Virginia in the special education areas of Special Education: Visual Impairments PK-12. This program complies with the standards for teacher licensure established by the Council for Exceptional Children (CEC), the major special education professional organization. The CEC standards that will be addressed in this class include Standard 2: Characteristics of Learners, Standard 3: Individual Learning Differences, Standard 4: Instructional Strategies, Standard 5: Learning Environments and Social Interactions, Standard 6: Language, Standard 7: Instructional Planning, Standard 8: Assessment and Standard 9: Professional and Ethical Practice.

**GMU Policies and Resources for Students:**

a. Students must adhere to the guidelines of the George Mason University Honor Code [See http://oai.gmu.edu/honor-code/].

b. Students must follow the university policy for Responsible Use of Computing [See http://universitypolicy.gmu.edu/policies/responsible-use-of-computing/].

c. Students are responsible for the content of university communications sent to their George Mason University email account and are required to activate their account and check it regularly. All communication from the university, college, school, and program will be sent to students solely through their Mason email account.

d. The George Mason University Counseling and Psychological Services (CAPS) staff consists of professional counseling and clinical psychologists, social workers, and counselors who offer a wide range of services (e.g., individual and group counseling, workshops and outreach programs) to enhance students’ personal experience and academic performance [See http://caps.gmu.edu].

e. Students with disabilities who seek accommodations in a course must be registered with the George Mason University Office of Disability Services (ODS).
and inform their instructor, in writing, at the beginning of the semester [See http://ods.gmu.edu/].

f. Students must follow the university policy stating that all sound emitting devices shall be turned off during class unless otherwise authorized by the instructor.

g. The George Mason University Writing Center staff provides a variety of resources and services (e.g., tutoring, workshops, writing guides, handbooks) intended to support students as they work to construct and share knowledge through writing [See http://writingcenter.gmu.edu/].

PROFESSIONAL DISPOSITIONS
Students are expected to exhibit professional behaviors and dispositions at all times.

CORE VALUES COMMITMENT
The College of Education & Human Development is committed to collaboration, ethical leadership, innovation, research-based practice, and social justice. Students are expected to adhere to these principles. [See http://cehd.gmu.edu/values/]

For additional information on the College of Education and Human Development, Graduate School of Education, please visit our website [See http://gse.gmu.edu/]

CONSORTIUM COURSE POLICIES

Honor Code
Each university has its own honor code and it is important for you to review the honor code at your university. However, all students taking this course, regardless of the university they are enrolled in, are expected to follow this honor code and also to pledge all assignments and their exam to indicate that they have followed the honor code. A pledge means that you have not cheated or plagiarized, nor have you given or received assistance that violated the description of how assignments are to be completed for this course. The shortened version may be used: “Pledged” followed by the date and your full name (typed “signatures” will be OK for assignments/tests submitted electronically).

A complete copy of each university’s Honor System document is available through:

- GMU: http://academicintegrity.gmu.edu/honorcode/
- Radford: http://www.radford.edu/dos-web/honorcode.html
- NSU: http://www.nsu.edu/studentjudicial/
- JMU: http://www.jmu.edu/honor/code.shtml#TheHonorCode

Accommodations for Disability
Students with disabilities who seek accommodations in a course must be registered with the disability service center at their participating university and inform their instructor, in writing, at the beginning of the semester. University specific information regarding eligibility, services and accommodations can be found at:

- GMU: http://ods.gmu.edu/
- Radford: http://www.radford.edu/~dro/
- NSU: http://www.nsu.edu/disabilityservices/index.html
• ODU: http://studentaffairs.odu.edu/educationalaccessibility/
• JMU: http://www.jmu.edu/ods/

Inclement Weather
If classes are cancelled at George Mason University, a message will be posted on the
class Blackboard site and all class members will receive an email. Because such
cancellations are often at the last minute, it may be difficult to get this message prior to
leaving for class. Please note that the cancellation of classes due to inclement weather
is determined by the decision of the instructing university only. If the instructing
university is open and operational then you are expected to attend class. Since students
are participating in the course across regions, you are responsible for contacting the
instructor as soon as possible In case of major power outages.

Cell Phones and Weapons
All cell phones and beepers should be deactivated while in the classroom. Also,
University rules at all participating universities prohibit the possession any firearm, other
weapon, or explosive.

Course Materials
This course gives you access to PowerPoint files, class lecture notes, handouts, and
copyrighted articles. For the articles (available on Blackboard), copyright laws must be
followed: print only one copy per student. The PowerPoint presentations, notes, and
handouts are provided on Blackboard for your convenience and to facilitate your
mastery of concepts presented in this course; Outlines of PowerPoints will be available
on Blackboard by noon of the class day or sooner.

Technology Proficiencies
All students participating in this course are expected to be proficient in several
technology skills. Students are expected to be proficient in using the Internet and have
reliable and consistent Internet access. Students are also expected to have an active
email account and to check email regularly. This course requires students to use
Blackboard, which is our online course management system located
at http://mymason.gmu.edu

Key Points Blackboard. Our Blackboard server has been updated from version 8.0 to
9.1. For students this means:
• Students MUST access Blackboard through http://mymason.gmu.edu.
• Login
  o GMU Students: Enter your Mason NetID (the first portion of your e-mail
    address, before the @) then enter your Password (PatriotPass
    credentials).
  o NON-GMU Students:
    o Username:  x_firstname.lastname
    o Password:  bbcommunity
• Select the “Organizations” tab to access classes.
Students are expected to login to this system frequently and be proficient in using its features. Students are expected to be proficient in using the computer, which includes downloading and saving files, typing, and word processing skills. Students participating in this course are expected to use Microsoft Word for all written assignments. Furthermore, students are expected to use Microsoft PowerPoint and Adobe Acrobat Reader for class documents located on the Blackboard website. Adobe Acrobat Reader is a free software program used to read PDF files and can be downloaded at: http://www.adobe.com/support/downloads/product.jsp?product=10&platform=Windows

Course Policies & Expectations

Attendance.

Attendance (30 points) at all sessions is very important because many of the activities in class are planned in such a way that they cannot necessarily be recreated outside of the class session. Information, activities, and guest speakers will be presented in class that are not a part of the text and can only be experienced in the class sessions. Furthermore, as part of this course you are expected to be an active and respectful participant, which includes actively engaging in class discussions and activities. Students will complete an in-class activity each week. Students who successfully complete 9-10 in-class activities will earn 30 points, students who successfully complete 8 in-class activities will earn 15 points, while students who complete between 0-7 in-class activities will receive 0 points. Students who miss a class will not have the opportunity to make up missed in-class assignments. Successful completion of Blackboard class activities will be tracked in the blackboard grade book. As a courtesy, please email me to let me know if you will not be in class.

Late Work.

Late assignments will not be accepted. Only in the case of serious family emergency or illness with late assignment submission be considered. You must communicate via email with the instructor as soon as possible if there is an emergency circumstance.

TaskStream Submission

Every student registered for any Special Education course with a required performance-based assessment is required to submit this assessment, Literacy Plan and Intervention Project to TaskStream (regardless of whether a course is an elective, a onetime course or part of an undergraduate minor). Evaluation of the performance-based assessment by the course instructor will also be completed in TaskStream. Failure to submit the assessment to TaskStream will result in the course instructor reporting the course grade as Incomplete (IN). Unless the IN grade is changed upon completion of the required TaskStream submission, the IN will convert to an F nine weeks into the following semester.
If you have never used TaskStream before, you MUST use the login and password information that has been created for you. This information is distributed to students through GMU email, so it is very important that you set up your GMU email. For more TaskStream information, go to [http://cehd.gmu.edu/api/taskstream](http://cehd.gmu.edu/api/taskstream)

**Grading Scale**

Grades will be assigned, using a point system, of a total of 660 available points:

<table>
<thead>
<tr>
<th>Assignments</th>
<th>Points</th>
</tr>
</thead>
<tbody>
<tr>
<td>Nemeth and Foreign Language Homework (25x6)</td>
<td>150</td>
</tr>
<tr>
<td>Abacus Quizzes (40x3)</td>
<td>120</td>
</tr>
<tr>
<td>Responses to Braille Readings (3x20 +2x40)</td>
<td>140</td>
</tr>
<tr>
<td>Literacy Plan and Intervention Project</td>
<td>120</td>
</tr>
<tr>
<td>Final Exam</td>
<td>100</td>
</tr>
<tr>
<td>Class Participation and Attendance</td>
<td>30</td>
</tr>
<tr>
<td><strong>Total</strong></td>
<td><strong>660</strong></td>
</tr>
</tbody>
</table>

A = 95-100%
A- = 90-94%
B = 80-89%
C = 70-79%
F = 70% and below

**Class and Grading Policies:**

As indicated above, each requirement has a point value allocated toward the final grade. All requirements must be completed and received by the instructor by the date (see class schedule). At the end of the semester, you will be given a grade based on the total number of points you have accumulated.

1. Unless otherwise indicated, all formal written work must be word-processed. All assignments must be typed and free of grammatical and spelling errors.
2. Please allow time after submitting your assignment, for grades and comments to be posted. Most grades will be posted a week after submission; however, sometimes commitments to other class or duties interfere with grading time.

**Assignments**

Scoring Rubrics for all assignments are posted on the blackboard site.
Performance-based Assessment (TaskStream submission required).
The NCATE assignment(s) for this class is:

Note: Please submit these items together as ONE pdf file into Taskstream.

Other Assignments.

NCATE/TaskStream Assignment

The NCATE assignment(s) for this class is: Literacy Plan and Intervention Project

Note: Please submit these items together as ONE pdf file into Taskstream by the due date.

1. Literacy Plan and Intervention Project: This assignment is focused on developing a literacy plan for students who are tactile readers. You will be required to 1) observe a student with a visual impairment in an academic class (science or math) and write reflective notes about the class presentation and materials and individual learner needs. You will then, 2) select a math or science concept that requires a tactile graphic, and 3) research what types of graphs and charts are needed to introduce, instruct, practice, and assess the concepts (you will present this project to the class). Based on your observations and research, you will create a series of at least 3 comprehensive lesson plans with accompanying tactile models/diagrams/drawings and/or graphics that can be used to introduce and teach the symbols and concepts. Consider the hierarchy of tactile skill development, as you create the materials. The lesson plans should include explicit instruction for literacy skills (e.g. understanding key vocabulary) using age appropriate narrative and expository texts in accessible format AND for tactile development skills (e.g. tactile discrimination).

Performance-based Common Assignments (No TaskStream submission required).

2. Assignment # 1: Six (6) Braille Homeworks – (150 points total)
For each of these assignments valued at 25 points each you will be given directions that are unique to each assignment. They may include transcription of math problems into Nemeth code, slate and stylus, interlining, identifying errors/strengths/weaknesses, and adapting worksheets. Braille portions must be completed using a Perkins Braille Writer and the hard copy braille will be handed in mailed to the instructor. A half-point will be subtracted for each error, including each braille cell of omitted characters/word/s, repeat errors, and contractions. Please take your time with the assignments, ask questions if you are unsure, and braille slowly. Re-dos & late assignments will not be accepted.

Braille homework assignments will be transcribed using the Perkins Braille Writer. Electronic braille will not be accepted. Work transcribed using braille translation software is unacceptable and subject to academic dishonesty policies. Work must be transcribed on standard braille paper without tractor-feed holes. For an 8.5 x 11 sheet of braille paper, you should have no more than 30 braille cells per line for portrait and 40 cells per line for landscape. For an 11.5 x 11 sheet of paper, you should have no more than 40 cells per line.

In order to provide students with timely feedback, homework assignments will need to be submitted in-class or mailed to the instructor. Assignments that are mailed must be post-
marked on the Saturday before each class date and should arrive by Monday. Late penalties will apply to assignments not received by Tuesday (that allows two days for mailing, if it is post-marked on Saturday). Send assignments to:

Holly M. Lawson  
9668 Thackery Square  
Fairfax, VA 22032

Other Assignments

3. **Reading Passage Assignments:** (140 points total) There are 5 reading passage assignments. For each assignment students will be provided a list of questions. Passages 1, 2 and 3 are each valued at 20 points and have 6 questions. Passages 4 and 5 are each valued at 40 points and have 10 questions each. Students must read the braille passage and answer the questions in braille. A point will be subtracted for each braille error or incorrect answer. For reading passage assignments ONLY, you are permitted to use Perky Duck. Re-dos & late assignments will not be accepted.

4. **Abacus Quizzes:** (120 points total) There are 3 in class abacus quizzes. Each quiz will correspond to an operation (addition, subtraction, and multiplication). Each quiz is valued at 40 points. For each quiz students will come up to the instructor one at a time and solve 5 problems. Each problem will be valued at up to 2 points. After the first quiz using this format the instructor may opt to change to a multiple choice format with 10 questions, each valued at 1 point each.

5. **Final Take Home Exam:** (100 points): The Final Exam for this class will be a take home exam. The exam will include transcription/interlining of literary and mathematical braille. It also may include multiple choice or short answer questions based on the readings/lectures; identifying errors in interlining; describing mathematical solutions using the abacus; identifying simple braille symbols for computer, foreign language, and music braille; identifying state standards; adaptations, and modifications to science, social science, expanded core curriculum, and math. The exam also may include case studies to which you must respond.

6. **Extra Credit:** Extra Credit (25 maximum):
   
   a. Volunteer at the annual VA AER conference, 4/2-4/4. You will be awarded 1 point for every half hour (30 minutes) of service for up to 5 points of extra credit. You must provide proof of service by having the volunteer coordinator sign this page of your syllabus (see below).
   
   b. Up to 20 points can be earned for extra credit by (a) completing a music braille homework, (b) completing an additional reading assignment or (c) completing a slate and stylus assignment. Extra credit must be turned in by May 2, 2012.

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This is to Certify that _____________________________ has contributed ___________ hours of volunteer service at the annual VA AER Conference.
<table>
<thead>
<tr>
<th><strong>Signature:</strong></th>
<th><strong>Date:</strong></th>
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<tbody>
<tr>
<td>(VA AER Volunteer Coordinator)</td>
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**Schedule**
<table>
<thead>
<tr>
<th>Date</th>
<th>Nemeth/Braille Code Topic</th>
<th>Readings</th>
<th>Due Dates</th>
</tr>
</thead>
<tbody>
<tr>
<td>Jan. 22</td>
<td>Syllabus overview Lesson 1: Writing Numbers and Linear Problems ABACUS: Setting Numbers &amp; Beginning Addition</td>
<td>Holbrook &amp; MacCuspie BWB-Ch. 1&amp;2</td>
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<tr>
<td>Jan. 29</td>
<td>Lesson 2: Numeric Indicator, Decimal Point, Monetary, Percent &amp; Signs of Omission Lesson 3: Alphabet, English Letter Indicator, Abbreviations ABACUS: Addition, cont. SLATE &amp; STYLUS Practice <em>bring it each week!</em></td>
<td>BWB-Ch. 4</td>
<td>Reading 1</td>
</tr>
<tr>
<td>Feb. 5</td>
<td>Lesson 5: Grouping and Number Bases Lesson 6: Superscripts, Subscripts and Level Indicators ABACUS: Addition, cont.</td>
<td>BWB-Ch. 3 &amp; 5</td>
<td>Braille 1 (Lesson 1)</td>
</tr>
<tr>
<td>Feb. 19</td>
<td>Braille Music</td>
<td>Siligo</td>
<td>Braille 2 (Lessons, 1, 2, &amp; 3)</td>
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<tr>
<td>Feb. 26</td>
<td>Lessons 8 &amp; 9: Roman Numerals and Arrows Foreign Language Braille ABACUS: Introduction of Subtraction</td>
<td>BWB-Ch. 6 &amp; 7</td>
<td>Reading 3 Abacus Quiz: Addition</td>
</tr>
<tr>
<td>March 5</td>
<td>Technology ABACUS: Subtraction Cont.</td>
<td>Kamei-Hannan &amp; Lawson</td>
<td>Braille 3 (Lessons 1-7) <strong>Take Home Final Exam Distributed</strong></td>
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<tr>
<td>March 12</td>
<td>SPRING BREAK-NO CLASS MEETING</td>
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<tr>
<td>March 19</td>
<td>Lessons 10: Shapes ABACUS: Introduction to Multiplication</td>
<td>Foreign Language HW Abacus Quiz: Subtraction</td>
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<tr>
<td>March 26</td>
<td>Lesson 14: Contractions and Short Form Words ABACUS: Multiplication cont</td>
<td>Reading 4</td>
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<td>Date</td>
<td>Event</td>
<td>Assignment/Text</td>
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<td>April 2</td>
<td>VA AER Conference-Online Assignment</td>
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<td>April 9</td>
<td>NEMETH: Lessons 11, 12 and 13: Selected Components</td>
<td>Reading 5</td>
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<td>ABACUS: Multiplication cont</td>
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<td>April 16</td>
<td>Lessons 15 &amp; 16 Spatial Arrangements</td>
<td>Samuels</td>
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<td>ABACUS: Introduction to Division and Decimals</td>
<td>Braille 4 (Lessons 1-10 &amp; 14)</td>
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<tr>
<td></td>
<td>COMPUTER BRAILLE</td>
<td>Abacus Quiz: Multiplication</td>
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<tr>
<td>April 23</td>
<td>REVIEW DAY for Nemeth and Abacus</td>
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<tr>
<td>April 30</td>
<td>Class Presentations for Literacy Plan and Intervention Project</td>
<td>Braille 5 (Lessons 1-16)</td>
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<tr>
<td></td>
<td></td>
<td>Take Home Finals Due</td>
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