

<p><b>Instructor:</b></p> <p><b>Learning Assistant:</b></p>	<p><b>Karen Crossin</b>      <a href="mailto:kcrossin@gmu.edu">kcrossin@gmu.edu</a>      <b>Office location:</b> Exploratory Hall, room 4221  <b>Office hours:</b> Mon 8:30 – 9:30 AM, Tu 9:30 – 11 AM</p> <p><b>Abby Williams</b>      <b>Office hours:</b> Time and Location TBA</p>
<p><b>Required Materials:</b></p>  <p>The bag of manipulatives is big and looks like this!</p>	<ol style="list-style-type: none"> <li>1. Mathematics for Elementary Teachers, A Conceptual Approach. 9<sup>th</sup> Edition. Bennett, Burton and Nelson. ISBN: 978-0-07-351957-9</li> <li>2. Large Ziploc bag of manipulatives – including blue base 10 blocks and a geoboard</li> <li>3. <b>Every Day Materials:</b> colored pencils or pens, four dry erase markers in different colors, and something to use as an eraser on the whiteboards (an old sock), graph paper, glue stick and/or tape, ruler with cm and in, a small stapler, and scissors</li> <li>4. <b>Special Occasion Materials:</b> a bunch of coins (approx 20 pennies, 10 nickels, 12 dimes and 10 quarters), a four-function calculator with a square root button.</li> </ol>
<p><b>Course Description:</b></p>	<p>Concepts and theories underlying elementary school mathematics, including sets, logic, systems of numeration, whole numbers, integers, fractions, decimals, measurement, operations with real numbers, equations, and inequalities. Intended for school educators; does not count toward a major in mathematics. All students will be required to do basic computations without the use of any calculator. <b>THIS IS NOT A TEACHING METHODS COURSE!!! This is a MATH CONTENT course.</b></p>
<p><b>Preparedness / Collaboration:</b></p>	<p>In this course, we will spend almost all of our time exploring mathematical ideas in groups. In order to make this course function, I need everyone to come prepared for class each day, and think carefully about how to make your group a great place to work and learn.</p> <p>Being prepared means:</p> <ul style="list-style-type: none"> <li>• Doing all assigned readings &amp; watching all videos before class and bringing notes to class</li> <li>• Asking questions about homework and concepts before coming to class</li> <li>• Bringing all necessary materials to class, as instructed</li> </ul> <p>Collaborating in class means:</p> <ul style="list-style-type: none"> <li>• Making thoughtful contributions to the group discussions and activities</li> <li>• Staying on task</li> <li>• Being an active listener</li> <li>• Being on time and staying engaged for the entire class</li> </ul> <p>Your classwork grade will be based on my observations of you with your group members, along with self and peer evaluations, and assignments completed collaboratively in class.</p>
<p><b>Cell phones:</b></p>	<p>Using your cell phone during class takes away your ability to fully focus on class and frequently disrupts others in class as well. If you are on your phone during class, you will be required to leave and forfeit the class work grade(s) for that day.</p>
<p><b>Reading</b></p>	<p>Reading your conceptual textbook will be vital in this course. Some tips include:</p> <ul style="list-style-type: none"> <li>• Reading should be active – read with a pencil, make notes, and answer the questions asked in the text.</li> <li>• Read each section we are to cover PRIOR to attending the class. Reading notes are checked as prep work sporadically throughout the term.</li> <li>• Mark anything you have questions about with a sticky note and then come ask one of us about them. Be sure to write yourself notes about what we find together.</li> <li>• If it works for you, consider keeping a notebook of notes from your reading.</li> </ul>
<p><b>In Class Work:</b></p>	<p>As noted above, we will be actively collaborating on mathematical tasks and activities during class. Many of these activities and tasks will have a final product that will be collected at the end of the class period. If you miss class, you miss the opportunity to turn these assignments in. Pop quizzes will be given randomly, to be counted as an in-class grade.</p>
<p><b>Out of Class Work:</b></p>	<p>There is prep work almost every day in this class, it is described on Blackboard in our daily lists under the course content tab. Homework will be assigned out of the book, online, or in handouts. Book homework will be collected the class after it is assigned and covered. Homework is not to be completed before the class that covers that topic, as there may be additional steps that are required to get full credit that will be clarified in class.</p>

<b>Exams &amp; Final:</b>	There are 3 exams in this course, and one comprehensive final exam.	
<b>Requirements and Grading:</b>	3 Unit Tests	100 points EACH
	Final Exam	200 points
	Homework Average	100 points
	Quizzes Average	100 points
	Classwork and Collaboration Average	100 points
<b>Scale:</b>	100-90%	A
	89.9-80%	B
	79.9-70%	C
	69.9-60%	D
	59.9-0%	F
	+/- will be based on grade distribution	
<b>Academic dishonesty and the GMU Honor Code:</b>	<p>You are expected to follow the GMU Honor Code <a href="http://oai.gmu.edu/the-mason-honor-code-2/">http://oai.gmu.edu/the-mason-honor-code-2/</a></p> <p>No collaboration is allowed on quizzes or tests. Any indication that you have worked together, used someone else's ideas, copied, or allowed fellow student to copy your work is a violation of the GMU Honor Code.</p> <p><b>Some</b> of the behaviors that will be considered cheating are:</p> <ul style="list-style-type: none"> <li>• Communicating with another person during an assessment</li> <li>• Copying material from another person from any assignment being graded</li> <li>• Allowing another person to copy from any assignment being graded</li> <li>• Use of unauthorized assistance on any assignment being graded</li> <li>• Use of unauthorized notes, books, calculators or cellphones during an assessment</li> <li>• Providing or receiving a copy of a quiz or exam used in the course</li> </ul>	
<b>Learning Differences &amp; Special Needs</b>	If you have a learning or physical difference that may affect your academic work, please see me and contact the Office of Disability Services (ODS) at 993-2474, <a href="http://ods.gmu.edu">http://ods.gmu.edu</a> . All academic accommodations must be arranged through the ODS.	
<b>Counseling and Psychological Services</b>	Counseling and Psychological Services are available for GMU students. <a href="http://caps.gmu.edu">http://caps.gmu.edu</a> 703-993-2380	
<b>University Policies</b>	The University Catalog, <a href="http://catalog.gmu.edu">http://catalog.gmu.edu</a> , is the central resource for university policies affecting students, faculty and staff conduct in university academic affairs. Other policies are available at <a href="http://universitypolicy.gmu.edu/">http://universitypolicy.gmu.edu/</a> . All members of the university community are responsible for knowing and following established policies.	

**A tentative schedule and a preliminary list of homework problems from the textbook are provided below the syllabus on Blackboard. There will definitely be other homework not from the book and it will be handed out in class, or posted on Blackboard. You are responsible for keeping up with any changes, so if you miss class you need to get the information from one of your group members or classmates. I highly recommend that you not do the homework prior to the class when we cover the material. In some sections we have made additional requirements, beyond what is shown in the textbook, and you will be marked off for not showing all work.**