

<b>Instructor:</b>  Learning Assistants:	<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> Tuesdays 1:30 – 3:00 near Peterson 1113, Thursdays 7:30-8:45 in Merten near 1200, Allison Chung, Alejandra Melgar      Office hours: TBA around the second week of class. <i>Bring all notes, homework and tests when attending office hours.</i>
<b>Required Materials:</b>  The bag of manipulatives is BIG and looks like this!	<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. A pencil bag containing the following: colored pencils or pens, graph paper, glue stick and/or tape, ruler with cm and in, internet access, a small stapler, scissors, a four function calculator with a square root button, and a couple of dry erase markers (colors are nice), and an old unmatched sock (to use as an eraser/dry erase marker holder). You might also need a protractor and a compass. We will give you some notice before we use them.</li> </ol>
<b>Course Description:</b>	This is a continuation of MATH 271. MATH 271 is required before enrolling in MATH 272. Topics include elementary number theory, real numbers, intuitive geometry, and measurement (including the metric system), statistics and probability. Intended for elementary school educators; does not count toward a major in mathematics.
<b>Preparedness / Collaboration:</b>	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 to think carefully about how to make your group a great place to work and learn. Being prepared means: <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, usually on Blackboard</li> </ul> Collaborating in class means: <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> Your classwork and collaboration grade will be based on my observations of you with your group members, along with self and peer evaluations, and assignments completed collaboratively.
<b>Cell phones:</b>	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 classwork grade(s) for that day.
<b>Reading</b>	Reading your conceptual textbook will be vital in this course. Some tips include: <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>• 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>
<b>In Class Work and quizzes:</b>	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 may be given randomly, to be counted as a quiz grade. <b>Some</b> quizzes <i>may</i> be retaken – ask.
<b>Out of Class Work:</b>	Prep work is required before most classes. Prep work is sometimes time consuming and other times just printing and cutting out shapes to bring to class to play with. Prep work will count as either a homework grade or part of a classwork grade for that day. Prep work is listed on blackboard and sometimes through an emailed announcement or oral announcement in class the day prior.  Homework will be assigned weekly (sometimes more than once) it can be assigned out of the book, online, or in handouts. Homework will be collected the Tuesday after it is assigned. Sometimes we may have a homework quiz rather than collecting all your pages. 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 which will be clarified in class. This term we will also be doing some online homework.

<b>Tests:</b>	There are some quizzes, 2 unit exams, and one comprehensive final exam.	
<b>Requirements and Grading:</b>	Quiz Average	10%
	2 Unit Tests	40%
	Final Exam	20%
	Homework Average	10% This includes written and online homework.
	Classwork grade	10%
	Collaboration grade	10%
<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.	

On a separate page is a *tentative* schedule and a *preliminary* list of homework problems from the text book. There will definitely be other homework not from the book and it will be handed out in class, available in another online format 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 text book, and you will be marked off for not showing all work. Homework from each week is due on the following Tuesday – I suggest you attempt the homework from Tuesday's class before Thursday, as trying to do all the homework from the week and the Tuesday prep work all at the same time does not usually go well.

It is **HIGHLY RECOMMENDED** that you exchange contact information with the other class members. You are responsible for keeping up with any changes to assignments, due dates, and homework. You are also responsible for informing Professor Crossin if anything looks amiss on BlackBoard. I make mistakes and if you cannot see something on Blackboard you need to post this to the discussion board or email me so I can fix it.