

MATH 212 SYLLABUS: SPRING 2015
FOUNDATIONS OF ELEMENTARY MATHEMATICS II

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OFFICE HOURS & SCHEDULE Spring 2015					
	Monday	Tuesday	Wednesday	Thursday	Friday
8:00				MTH 212 MNB 104	
9:00	MTH 212 MNB 104	MTH 212 MNB 104	MTH 212 MNB 104		
10:00	MTH 213 MNB 103	MTH 213 MNB 103	MTH 213 MNB 103	MTH 213 MNB 110	
11:00				Office Hour MNB 125	
12:00		Office Hour MNB 125		Office Hour MNB 125	
1:00		Office Hour MNB 125		Office Hour MNB 125	
2:00		MTH 394 MNB 104		MTH 394 MNB 104	
3:00					
4:00		Meetings			

Please feel free to drop by my office during my office hours for help. You do not need to make an appointment to come to office hours. You are welcome to stop by my office at times other than my listed office hours and if I am available, I will help you. You are also encouraged to call or email me with questions about the course or make an appointment to come in. If you have direct scheduling conflicts with my office hours and would like further help, please let me know.

COURSE PREREQUISITE

Math 211 (with grade C- or better)

REQUIRED COURSE MATERIALS (for the entire 211, 212, 213 series)

- **Textbook**, *Mathematics for Elementary Teachers: A Conceptual Approach*, 9th Edition, Bennett, Burton and Nelson
- **Activity book**, *Mathematics for Elementary Teachers: An Activity Approach*, 9th Edition, Bennett, Burton and Nelson
- **Manipulative Kit**, *Mathematics for Elementary Teachers*, 9th Edition
- **Online homework** will be assessed through *McGraw-Hill's Connect* website.
- **Connect online homework**: To obtain *Connect* online homework access use the listed URL (below) to register with an access code, credit card or to use an existing 211 or 212 *Connect* account. (Details on next page)

- **To register for this Connect course:**
 - Visit: http://connect.mheducation.com/class/ciancetta_math212_spring_2015 (there will be a link to this in Moodle)
 - Click on the left side, “**REGISTER TO YOUR CLASS**” (use your existing password). Do NOT click on the right side, “Already Registered?” – you are NOT already registered for this Connect course.
 - **After you register**, then to login you will click on the right side, “Already Registered?”

If you need technical help with Connect:

Visit: www.mhhe.com/support or Call: (800) 331- 5094

Sunday: 12:00 pm – 11:00 pm; **Monday – Thursday:** 8:00 am – 11:00 pm

Saturday: 10:00 am – 4:00 pm; **Friday:** 8:00 am – 6:00 pm

Other Materials

- TI83 or TI84 calculator is highly recommended for the 211-212-213 course series. TI-84s are available to rent for the term in the bookstore. Please see me BEFORE you purchase a new calculator.
- Protractor
- A large 3 ring binder with dividers

CLASS WEB PAGE (Moodle)

The Moodle page for this MTH 212 course will include links to my homepage (<http://www.wou.edu/wp/ciancetm/>), office hours and other course resources.

In particular, the Moodle page will include the class schedule, homework assignments and due dates. The grade book feature will also be available for you to view anytime.

COURSE STRUCTURE

All classes will be a mix of an interactive lecture, hands-on activities and problem solving sessions.

- **Please bring your manipulative kit to class every day.**
- Please bring your text or activity book to class as noted in Moodle.

LEARNING OUTCOMES

This course is designed for students planning to be elementary or middle school teachers. The work in this course will include learning and reviewing the mathematics you learned before and learning how students, particularly children, learn mathematics. For many activities and topics you will be exploring the material from the perspective of the students you will be later teaching. It is expected that you can do basic operations with numbers. Our goals for this class are that you should:

- Gain deeper and clearer understanding of basic mathematical concepts
- Gain deeper and clearer understanding of how children learn mathematics
- Experience problem solving and the use of scoring rubrics
- Experience hands-on activities to facilitate the above goals
- Be expected to write about mathematics
- Be exposed to resources that help connect the concepts you are learning now to your future as teachers.

Specific learning outcomes for MTH 212 will relate to the following content:

Fraction and decimal models, operations and number properties, data analysis, probability and statistics

YOUR STUDENT WOU EMAIL ACCOUNT

All official university and class business and announcements will be directed to your WOU student email account. If you do not regularly check this account, please log in to this account and FORWARD your WOU email to an account that you do regularly access.

ATTENDANCE / MISSED CLASS

Daily attendance is required for your success in this course. If you miss class, it is your responsibility to ask a classmate for notes on the material that you have missed. I will not have discussion notes available if you have missed class, nor will I repeat my discussion during office hours.

Exams can only be made up or taken in advance if you have i) a documented emergency filed with the Student Affairs office (see <http://www.wou.edu/student/> and their absence notification form) and my agreement, or ii) a documented University Sanctioned Absence from class which you have reviewed with me, and devised a plan for, in advance of the absence. Ordinary illness (such as a cold) or any non-university sanctioned absence from class does not count as a documented emergency, even if you have a note from a doctor.

READING THE TEXT

You will be expected to carefully and completely read each (assigned) section in your textbook. It is a good idea to briefly read the assigned section before class and then to carefully read the section before you start your homework. Most students find it very helpful to write out the examples in the text as well as to just read the examples. If you carefully write out the examples and work out all of the steps you will find that you have a deeper understanding of the material. Writing out the examples is also a successful technique for pinpointing exactly where you become confused on a problem that you do not understand. I encourage you to ask questions about the examples presented in the book. You may ask questions about the text both in class and during office hours.

HOMEWORK AND QUIZZES

There will be a variety of homework assignments and quizzes given. Assignments will be posted in Moodle. These assignments will include but not be limited to the following.

<u>Assignment Source</u>	<u>Assessment Method</u>
<i>Connect Homework:</i> Conceptual Approach questions (Connect)	Computer graded
<i>Written Homework:</i> Activity Approach E&A (Act Book) Problems of the Week CCSSM Questions	Direct grading
<i>Text Quizzes:</i> Conceptual Approach questions (Text Book)	Direct grading
Skills Test	Direct grading

CONNECT ONLINE CONCEPTUAL APPROACH HOMEWORK

Connect questions are taken from the Conceptual Approach hard cover text. See your course schedule for **Connect** assignments and due dates. Connect questions are graded by the online homework system. You will have multiple attempts at each question as posted in *Connect*. Only the highest percentage will be counted.

✓ Online Connect Homework is due before the start of class on the due date

WRITTEN HOMEWORK ASSIGNMENTS

Some homework will be assigned to written up and turned in. Written homework assignments, due dates and specific directions are listed in Moodle.

✓ Written homework is due at the beginning of class.

TEXT QUIZZES

For each section covered in class there will be a short and timed quiz on material from the text. Your text quizzes will start promptly at the beginning of class. Each quiz will consist of a few exact questions from the list of assigned problems at the end of each section in your Conceptual Approach text.

SKILLS TEST

The MTH 212 skills test is based on a few specifics you learned in MTH 211 (Factors and Multiples). You are required to pass the skills test in order to be eligible to pass MTH 212. More information on the skills test is provided in Moodle.

Completing your homework in a timely fashion will be integral to your success in this course. I suggest you set up a homework and reading schedule for yourself and follow it carefully. You will find that if you do not do all of your homework you will not succeed in learning the material covered in this course.

EXAMS AND THE FINAL EXAM

There will be two “midterm” exams and final exam in this course. The midterm exams will be cumulative but will emphasize the recently covered material. The final exam will be cumulative.

The final exam will be offered at the special MTH 211/212/213 group time on Monday of finals week. See your course webpage and the official final exam schedule for the exact date and time.

COURSE NOTEBOOK

File all of your course materials in your course notebook. For your notebook please use a large 3 ring binder divided into at least the following, clearly labeled, sections. You will need a well-organized notebook while studying for class exams.

1. Course Paperwork (syllabus, schedule notes, etc.)
2. Class Notes and Activities
3. Homework (you may wish to divide this in several sections)
4. Exams

LATE AND MAKE UP POLICIES

- Connect assignments **begun before** the due date will be allowed to be worked on after the due date. The computer will automatically **deduct 20% per day** from your score for late Connect homework
- Late *Written Homework* or early or late *Homework Quizzes* or *Exams* **will not be accepted** or available unless you have i) a documented emergency filed with the Student Affairs office (see <http://www.wou.edu/student/> and their absence notification form) and my agreement, or ii) a documented University Sanctioned Absence from class which you have reviewed with me, and devised a plan for, in advance of the absence. You may always turn in your *Written Homework* early.

TIME SPENT ON MATH 212 OUTSIDE OF CLASS

It is a standard academic rule of thumb to spend two to three hours out of class for every hour in class while studying mathematics or science. This is a 200 level mathematics course and the expectation is that you will spend 8 to 12 hours per week outside of class studying and working on the content of Math 212. Set up a regular schedule for yourself and stick with it. Success in mathematics is often directly linked to effort and regular practice.

GETTING HELP

OFFICE HOURS

Professor office hours are a great source of help; please feel free to drop by!

FREE TUTORING

There is free Math 212 tutoring in the Math Tutoring Center (HL 228). See www.wou.edu/math/tutor for specific 211-212-213 tutoring hours. Other tutors in the tutor center may also be able to help you with Math 212, but it is not guaranteed. You may find the tutoring center is a great place to sit and work, even if you don't have questions. If the center is busy, you may find nice areas to sit and study near the center (library, second floor) and then you can check in with the center tutors if you need help.

COURSE GRADING

<u>CLASS ITEM</u>	<u>COURSE PERCENT</u>
Connect Online Homework	10%
Written Homework	20%
Text Quizzes	15%
Exam 1	20%
Exam 2	20%
Final Exam	15%
TOTAL PERCENT	100%
Skills Test	"Pass" is required

STANDARD GRADING SCALE FOR THIS COURSE

% Range	Grade	% Range	Grade	% Range	Grade
93 – 100	A	80 – 82	B-	60 – 69	D
90 – 92	A-	77 – 79	C+	Below 60	F
87 – 89	B+	73 – 76	C		
83 – 86	B	70 – 72	C-		

WOU Student Success Specialist

Students in this class may be referred to the WOU Student Success Specialist (SSS) if the instructor determines their performance in the class is placing them at academic risk. The SSS will **offer to** work with referred students to address issues and develop a student success strategy. **Irrespective of whether a referral has or has not been made, you are ultimately responsible for tracking your own progress in this course.**

ELECTRONICS POLICY¹

Electronic items such as cell phones, laptops, iPads, iPods and e-book readers should not distract you or your classmates during class. If you are distracting yourself or others, in any way, with an electronic item in class, you will be asked to step into the hall until you are done with the item. Unauthorized electronic items used on exams or quizzes will result in a score of 0 on that entire exam or quiz.

VETERANS AND ACTIVE MILITARY PERSONNEL with special circumstances are welcome and encouraged to communicate these, in advance if possible, to the instructor. For WOU Veteran resources; please see <http://wou.edu/veterans/>.

FOOD AND BEVERAGES IN THE CLASSROOM

You are welcome to have unobtrusive snacks in the classroom that leave you entirely free to fully participate in the class. Food items that smell (such as fast food), that you eat with silverware, that need peeling, etc. are distracting and should be consumed prior to or after class.

You are welcome to have beverages in the classroom.

If you bring food or a beverage to class then please be sure to leave a clean workspace at the end of class.

APPROPRIATE CLASSROOM BEHAVIOR

You are ultimately responsible for your own attendance and performance. Disruptive classroom behavior of any kind, such as talking during lecture or consistently coming to class late etc., is not appropriate. Proscribed Conduct for all students is described in the University Catalog. In particular for this course any student found cheating on an exam or copying from another student's exam paper will receive a zero score on that exam.

LEARNING DISABILITIES

It is University policy to provide, on an individualized basis, accommodations to students who have disabilities that may affect their ability to participate in course activities or to meet course requirements. If you have a disability for which you are or may be requesting an accommodation, you must contact both your instructor and the Office of Disability Services, APSC 405, or at [503-838-8250](tel:503-838-8250), as early as possible in the term. Students needing medical or mental health care can access the Student Health and

¹ If you are in an emergency situation in which you need to have your cell phone on quiet; please speak to me about it before class.

Counseling Center by calling [503-838-8313](tel:503-838-8313), emailing at health@wou.edu, or by walking in to schedule an appointment.

INCOMPLETE POLICY

An Incomplete can only be granted for a student who is passing a class and has a documented emergency that prevents them from completing the course.