

MATH 213 SYLLABUS: Winter 2016
FOUNDATIONS OF ELEMENTARY MATHEMATICS III

Professor: Dr. Matt Ciancetta

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OFFICE HOURS & SCHEDULE				Winter 2016	
	Monday	Tuesday	Wednesday	Thursday	Friday
9:00	MTH 213 MNB 103	MTH 213 MNB 103	MTH 213 MNB 110	Available by Appointment	MTH 213 MNB 103
10:00	MTH 396 MNB 103		MTH 396 MNB 103		MTH 396 MNB 103
11:00	Office Hour MNB 125	Math Dept Meeting			
12:00	Office Hour MNB 125	Office Hour MNB 125	Unavailable		Unavailable
1:00		Office Hour MNB 125			
2:00					
3:00		Faculty Meetings			
4:00					

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. At times other than my listed office hours you are welcome and encouraged to call or email me with questions about the course. If you have direct scheduling conflicts with my office hours and would like further help, please let me know.

COURSE PREREQUISITE

- Math 211 and 212, each with a grade of C- or better.

REQUIRED COURSE MATERIALS

- 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
- • Protractor • Compass • Straight Edge/Ruler
- *Connect* online homework access. Use the listed URL to register with an access code, credit card or to use an existing 211-212 *Connect* account (**use existing password**). Instructions for each form of registration are clearly given on the log in page: http://connect.mheducation.com/class/ciancetta_mth213_winter_2016

If you need technical help with Connect visit: <http://www.mhhe.com/support> or

Call: (800) 331-5094

Sunday: 12:00 pm - 11:00 pm

Saturday: 10:00 am - 4:00 pm

Monday – Thursday: 8:00 am - 11:00 pm

Friday: 8:00 am - 6:00 pm

CLASS MOODLE PAGE

The Moodle page for this MTH 213 course will include links to my homepage (<http://www.wou.edu/~ciancecm>), 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, problem solving sessions and quizzes.

- Please bring your manipulative kit, protractor and compass to class every day.
- Please bring your text or activity book to class as noted on the class schedule & assignments webpage.

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.

In specific we will look at: Plane Figures, Polygons and Tessellations, Space Figures, Symmetric Figures, Systems of Measurement, Area and Perimeter, Volume and Surface Area, Congruence and Constructions, Congruence Mappings and Similarity Mappings.

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 and quizzes can not be “made up” unless you have i) a documented emergency filed with the Student Affairs office (see <http://www.wou.edu/student/services/student-absence-notification-request/> for the absence notification form) **and** my agreement, or ii) a documented University Sanctioned Absence from class (examples: student teaching in the education program, university representation in a music presentation, etc.) which you have reviewed with me, and devised a plan for, in advance of the absence. Ordinary illness of one or two class days does not count as a documented emergency, even if you have a note from a doctor.

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.

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.

TIME SPENT ON MATH 213 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 213. Set up a regular schedule for yourself and stick with it. Success in mathematics is often directly linked to effort and regular practice.

HOMEWORK

There will be a variety of homework assignments given in this course. Assignments will be posted on your class assignments webpage and / or announced in class. These assignments will include, but not be limited to, the following.

<u>Assignment Source</u>	<u>Assessment Method</u>
<i>Conceptual Connect</i> questions	Computer graded
<i>Conceptual Approach</i> written exercises	Graded quizzes (Text Quiz)
<i>Activity Approach</i> written exercises	Direct grading
Text Vocabulary	Graded quizzes (Vocab Quiz)
Geometer's Sketchpad / Lab assignments	Direct grading
CCSSM exercises	Direct grading
213 Skills Test	Direct grading

Connect Online Conceptual Approach Homework Questions (*Connect*)

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 at 11:59 p.m. on the due date

Text Quizzes: Conceptual Approach Written Exercises and Problems

Some *Conceptual Approach Exercises and Problems* will be assigned as hand written homework. These problems will be assessed via short quizzes at the beginning of class. See your course schedule for **Text Quiz prep** assignments and due dates. For these problems, you are expected to do your best possible work. Be as neat and clear as possible and always explain your work for full credit.

✓ Text Quizzes are due at the beginning of class on the due date

Activity Approach Written Exercises and Activities (Activity)

Some *Activity Approach Exercises and Activities* will be assigned as hand written homework. See your course schedule for **Activity** assignments and due dates. For these problems, you are expected to do your best possible work. Be as neat and clear as possible and always explain your work for full credit. Special assessment criteria, if any, will be announced in class and linked to your course webpage.

✓ Activity Written Homework is due by the beginning of class on the due date

Text Vocabulary

- Success in learning and understanding Geometry and Measurement depends, in part, on learning and then using the terminology correctly.
- Chapters 9, 10, and 11 include a considerable amount of new vocabulary. Vocabulary lists for each section in those chapters will be available in Moodle.
- It is strongly recommended that you create a set of vocabulary cards for MTH 213. Suggestions for card creation are posted in Moodle.

Vocabulary Quizzes

As noted on your schedule, most weeks there will be 5 minute (one section) or 10 minute (two sections) vocabulary quiz. These quizzes will either be completed in Moodle or given at the start of class. In class quizzes will proceed as follows:

- For each section covered, 5 terms from your recently assigned vocabulary will be listed. The vocabulary sections covered on the quiz will be listed in Moodle.
- Using your vocabulary cards only, you will be asked to write down what you have written for those terms.
- The correct definition and diagram must be given for full credit. If you don't have something written on your cards, you will not have something to write on the quiz.

Lab & Geometer's Sketchpad ® (GSP) Assignments

We will meet in the computer lab once per week and will work using either the Virtual Manipulatives (VMK) or Geometer's Sketchpad ®. Specific directions will be given in class. Some VMK work will need to be printed in the lab and turned in for grading or check-off, GSP assignments will be submitted electronically.

✓ VMK work, not completed in class, is due by the beginning of class on the due day.

✓ GSP work is due electronically before the beginning of class on the due date.

Common Core State Standards Mathematics (CCSSM) exercises

There will be a variety of CCSSM exercises related to the topics we explore. Each CCSSM exercise includes a CCSSM test problem to complete and then corresponding standards will be determined.

✓ Each of your CCSSM exercises is due by the beginning of class on the due date

LATE POLICY

- Connect assignments are submitted by clicking the “Submit Assignment” button at in the top-right corner. (Note that clicking the “next” button will give you the next question but that question is not “submitted” until the assignment is submitted.)
- Connect assignments **begun before** the due date will be allowed to be worked on after the due date for partial credit. The computer will automatically deduct 20% per day from your score for late Connect homework
- Text Quiz, written activity, GSP, VMK, etc. homework
 - Cannot be accepted late.
- Vocabulary prep due by the beginning of class.
 - Cannot be accepted late.
- Your lowest Connect homework score will be dropped.
- Your lowest Text Quiz score will be dropped.
- Your lowest Vocab Quiz score will be dropped.

EXCUSED LATE WORK

Excused late work will not be accepted unless you have i) a documented emergency filed with the Student Affairs office (see <http://www.wou.edu/student/services/student-absence-notification-request/> for the absence notification form) and my agreement, or ii) a documented University Sanctioned Absence from class (examples: student teaching in the education program, university representation in a music presentation, etc.) which you have reviewed with me, and devised a plan for, in advance of the absence. Ordinary illness of one or two class days does not count as a documented emergency, even if you have a note from a doctor.

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 a group time on Monday of finals week. See your course webpage and the official final exam schedule for the exact date and time.

Math 213: Special Offer

If your overall percent in the course at the end of week 10 is 95% or higher, you do not need to take the final exam. Your Math 213 course grade will be an A.

Makeup exams will only be available in the case of documented emergency or a documented university sanctioned absence from class (examples: student teaching in the education program, university representation in a music presentation, etc.). Prior notification and my agreement are required. My voice mail and email are always on; there is no excuse for not contacting me prior to missing an exam.

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 213 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 213, 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>
Vocabulary Quizzes & Text Quizzes	15%
CCSSM, Written Homework, GSP	20%
Connect Online Homework	10%
Two 20% Midterm Exams	40%
Final Exam	15%
Pass Math 213 Skills Test (see skills test handout)	Required
TOTAL PERCENT	100%

STANDARD GRADING SCALE FOR THIS COURSE

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

WOU STUDENT SUCCESS SPECIALIST

Students in this class may be referred to the WOU Student Success Specialist (SSS), Jessie Pool, 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.** If you would like to meet with Jesse regarding any academic struggles you are experiencing, please contact the Academic Advising and Learning Center at 503-838-8428.

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.

STUDENT HEALTH

Students needing medical or mental health care can access the Student Health and 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 a very small portion of the course (e.g., the final exam), after Friday of the seventh week of class, which is the last day for dropping a course with W grade.

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.