MTH 212 : Foundations of Elementary Mathematics II

Professor: Bryce Chriestenson

Winter 2016

1 Course Information

- MTH 212 - Winter 2016- Foundations of Elementary Mathematics II

- Date/Time: M,T,W,R: 12:00-12:50, except Tuesday 11:00-12:50

- Classroom: MNB 103

2 Contact Information

- Office: Maaske 225

- Course Webpage:

  http://www.wou.edu/wp/chriestensonb/teaching/mth-212-winter-2016-12/

- E-Mail: chriestensonb@mail.wou.edu

- Office Phone: (503) 838-9207

3 Office Hours

- Monday: 3:00 - 4:00

- Wednesday: 11:00 - 12:00, 3:00 - 4:00

- Thursday: 11:00 - 12:00, 3:00 - 4:00

4 Course prerequisite

MTH 211 with a grade of C- or better.

5 Required materials

5.1 Text and Online Access

- Textbook: *Textbook, Mathematics for Elementary Teachers: A Conceptual Approach*, 10th 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*, 10th Edition

- Connect Access, for online homework. Use the listed URL to register with an access code, credit card or to use an existing 211 Connect account (use existing password). Instructions for each form of registration are clearly given on the log in page:

  http://connect.mheducation.com/class/b-chriestenson-winter-2016-12

  If you need help with Connect:

  - Visit: www.mhhe.com/support
  - Call: (800) 331-5094
    * Sunday - 12:00 pm - 11:00 pm
    * Monday - 8:00 am - 11:00 pm
    * Tuesday - 8:00 am - 11:00 pm
    * Wednesday - 8:00 am - 11:00 pm
    * Thursday - 8:00 am - 11:00 pm
    * Friday - 8:00 am - 6:00 pm
    * Saturday - 10:00 am - 4:00 pm

- Calculator

6 Grading criteria for course

Grade Distribution

Online Homework	10%
Written Homework	10%
Class Participation	5%
Midterm Exam($\times 2$)	25%
Final Exam	25%

Final Grade Breakdown

$100 - 93$	A	$90 - 92.9$	$A-$
$87.0 - 89.9$	$B+$	$83.0 - 86.9$	B
$80.0 - 82.9$	$B-$	$77.0 - 79.9$	$C+$
$73.0 - 76.9$	C	$70.0 - 72.9$	$C-$
$67.0 - 69.9$	$D+$	$63.0 - 66.9$	D
$60.0 - 62.9$	$D-$	$0.00 - 59.9$	F

7 Course Work

You will be expected to complete all of the work assigned to you. You will be expected to read the text book, even if such a reading is not explicitly assigned. They types of work you will have to do in this class are:

- Online Homework: You will have weekly assignments in Connect. They will be assigned each Monday, and they will be due each Friday at 11:59 pm. These will be conceptual questions about the course material.

- Written Homework: Each week you will be given several written assignments. The mathematics of these assignments may or may not be difficult for you. Your job will be not only to do the mathematics, but also to clearly explain your understanding of the mathematics you have done. The goal of these is to help improve your written communication skills, and your understanding of the mathematical concepts. You will be expected to write your solutions using complete sentences, proper grammar, and proper punctuation. Written assignments will typically be due on either Thursdays or Mondays, depending on when they are assigned.

- You will be asked to do work during class. The purpose of these is to create discussion. You may work in groups of no more than three on this work. These will usually involve your manipulative kit which you should always bring to class. You will earn credit for you class participation. Not participating, having a bad attitude, or looking at your cell phone in class will keep you from earning this credit.

- Exams: You will be given two midterm exams and a final exams. The midterm exams will be given during class. The midterms will be given on Tuesdays so you will have two hours to complete them. The first will be given during week 4. The second will be given during week 7. The final exam will be Friday, March 18, 12:00-1:50 PM.

8   Course Objectives

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 the Oregon Scoring Guide

- 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.

9   Attendance Policy

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 with a documented university sanctioned absence from class (choir, sports, etc.) or possibly for a serious documented emergency. Ordinary illness (such as a cold) or any non-university sanctioned class absence does not count as a documented emergency, even if you have a doctors note.

10   Skills Test Policy

The Mathematics Department has stipulated that a Skills Test for MTH 212 assessing competency in some basic math skills will be required. Each MTH 212 student must pass the Skills Test by the end of the Friday before finals week. To pass, you must get at least 26 of the 30 problems correct. **Any student not passing the Skills Test at least once by the deadline will receive an F in the course. This test MUST be passed in order to pass the class.**

The skills test will be taken in class during week 1. This is your one opportunity for the week (no make ups). Beginning during week 2 (after the in-class attempt) retakes will be administered at drop-in group retake sessions in MNB 110 (Retakes may be taken multiple times per week). The schedule of when you can retake the skills test and more information about the skills test can be found on Sharon Price's website: http://www.wou.edu/wp/pricesl/

YOU MUST PASS THE SKILLS TEST ON OR BEFORE THE FRIDAY BEFORE FINALS WEEK. IF YOU DO NOT, YOU WILL NEED TO RETAKE MTH 212 .

11   Incomplete and Late Homework Policies

- A grade of 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, after Friday of the seventh week of class, which is the last day for dropping a course with W grade.

- Each out-of-class assignment will have a specific due date and time. If you are unable to complete or hand in the assignment before the specified time then please contact the professor at least 24 hours before when the assignment is due so that accommodations can be made. **If a student does not turn in an assignment, and does not contact the professor 24 hours before when an assignment is due, then the student will receive a 0 for the assignment.**

12 Information on the Math Center (drop in tutoring)

The Math Center is a quiet and open room in the library, a relaxing place to study and work on your math homework. We staff experienced and knowledgeable tutors who are dedicated to helping you master the skills you need to succeed in your math classes. You can drop by at your convenience (during our open hours), work on your homework, and when you have a question, simply raise your hand and someone will be there to help you.

Visit the website: `http://www.wou.edu/mathcenter` for open hours and a schedule of available tutors.

13 Wolf Connection System

If the instructor determines your performance in this class is placing you at academic risk, you may be referred to Jesse Poole, Westerns Student Success Specialist. Jesse will offer to work with you to address issues and develop a student success strategy. **Regardless 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 or email at tutoring@wou.edu

14 Accommodations

If you have a disability for which you are or may be requesting an accommodation, you are encouraged to contact both your instructor and the Office of Disability Services, APSC 405, or at 503-838-8250, as early as possible in the term. Students needing medical or mental health care can access the Student Health and Counseling Center by calling 503-838-8313, emailing at health@wou.edu, or by walking in to schedule an appointment.

15 Veterans

Veterans and active military personnel with special circumstances are welcome and encouraged to communicate these, in advance if possible, to the instructor.