MATH 213 SYLLABUS: FALL 2016
FOUNDATIONS OF ELEMENTARY MATHEMATICS III

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Office: MNB 133
Email: wieber@wou.edu

Fall 2016 Schedule & Office Hours

<table>
<thead>
<tr>
<th>Time</th>
<th>Monday</th>
<th>Tues</th>
<th>Wed</th>
<th>Thurs</th>
<th>Friday</th>
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<tbody>
<tr>
<td>8a-9</td>
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<tr>
<td>9a-10</td>
<td>MTH 213 MNB 104</td>
<td>MTH 213 MNB 110</td>
<td>MTH 213 MNB 104</td>
<td>MTH 213 MNB 104</td>
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<tr>
<td>10a-11</td>
<td>Office Hrs MNB 133</td>
<td>MTH 213 MNB 104</td>
<td>Office Hrs MNB 133</td>
<td>Not Usually on Campus</td>
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<tr>
<td>11a-12</td>
<td>MTH 213 MNB 104</td>
<td>MTH 213 MNB 104</td>
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<tr>
<td>12p-1</td>
<td>Office Hrs MNB 133</td>
<td>MTH 392 MNB 103</td>
<td>Office Hrs MNB 133</td>
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<tr>
<td>1p-2</td>
<td>Office Hrs MNB 133</td>
<td>MTH 392 MNB 103</td>
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</table>

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. 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
- Manipulative Kit, Mathematics for Elementary Teachers, 10th Edition
- Connect online homework access. Use the URL: http://connect.mheducation.com/class/rwiebe-math213 to register with an access code, a credit card or use an existing 211-212 Connect account (use existing password). Instructions for each form of registration are clearly given on the log in page. 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
- A scientific calculator with at least the capabilities of a TI – 83 is required for the 211-213-213 course series. A TI – 83 or 84 is highly recommended. No TI-89, nor any calculator with a computer algebra system such as the TI-Nspire, is permissible for use in this course.
- Protractor  Compass
CLASS WEB PAGE
There will be a link for the Math 213 course in Moodle (where many course items will be posted) on my home page: http://www.wou.edu/~wieber

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 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 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.

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 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 doctor’s note.
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
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.

<table>
<thead>
<tr>
<th>Assignment Source</th>
<th>Assessment Method</th>
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<tbody>
<tr>
<td>Conceptual Connect questions</td>
<td>Computer graded</td>
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<tr>
<td>Conceptual Connect Quiz Prep Notes</td>
<td>Homework Quiz</td>
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<tr>
<td>Activity Approach written exercises</td>
<td>Direct grading</td>
</tr>
<tr>
<td>Vocabulary</td>
<td>Moodle quizzes</td>
</tr>
<tr>
<td>Geometer’s Sketchpad / Lab assignments</td>
<td>Peer Assessment</td>
</tr>
<tr>
<td>Scavenger Hunt</td>
<td>Direct grading</td>
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<tr>
<td>213 Skills Test</td>
<td>Direct grading</td>
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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

Homework Quizzes (Text)
Notes should be taken on the Conceptual Approach Connect Exercises. Any notes can be used during the weekly quiz. You will not be allowed a calculator, manipulatives, or notes (unless specified).
✓ Your homework quizzes will start promptly at the beginning of the class.
Turn In Homework Assignments (Activity Book Written Exercises and Activities, Scavenger Hunt)
Some homework will be assigned to be turned in. See your course schedule in Moodle for specific directions 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.
✓ Turn In Homework is due at the beginning of class

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 proceed as follows:
• For each section covered, there will be a TIMED Moodle quiz covering the vocabulary assigned.
• You will need to use vocabulary definitions that you found in the text. There will not be sufficient time to look up each word during the course of the quiz, since it will time out.

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 ®; some VMK work will need to printed in the lab and turned in for grading or check-off.
✓ VMK work, not completed in class, is due electronically by 11:59 p.m. on the due date.
✓ GSP work is due electronically by 11:59 p.m. on the due date.

Scavenger Hunt
Each student will be responsible for one Scavenger Hunt topic; see the handout “Scavenger Hunt Directions” linked in Moodle.
✓ Your personal Scavenger Hunt is due by the beginning of class on the due date

LATE POLICY
• Connect assignments will not be accepted late
• Homework (Activity Book Written Exercises and Activities, Scavenger Hunt, GSP, VMK, etc.) must be submitted promptly at the beginning of class. Assignments handed in one day, one hour or one class late will receive a 0. There are no exceptions. Printing during class time does not count. Homework will not be accepted late unless you have
  o a documented emergency filed with the Student Affairs office and my agreement, or
  o a documented University Sanctioned Absence from class which you have reviewed with me, and devised a plan for, in advance of the absence.
• Vocabulary quizzes are due by 11:59pm on Fridays.
• Your lowest GSP score, and Activity Book score will be dropped.
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.

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.

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 for your weekly homework quizzes and while studying for class exams.
1. Course Paperwork (syllabus, schedule, etc.)
2. Class Notes and Activities
3. Homework
4. Vocabulary
5. Homework Quizzes and Exams

EXAMS AND THE FINAL EXAM
There will be two "midterm" exams and a 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. You may NOT take the final exam at an alternate 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
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 Center (HL 228). See [www.wou.edu/math/tutor](http://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.

**WOU STUDENT SUCCESS SPECIALIST**
If the instructor determines your performance in this class is placing you at academic risk, You may be referred to the Student Success Specialist. The Student Success Specialist 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 the Specialist regarding any academic struggles you are experiencing, please contact the Academic Advising and Learning Center at 503-838-8428.

**COURSE GRADING**

<table>
<thead>
<tr>
<th>CLASS ITEM</th>
<th>COURSE PERCENT</th>
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<tbody>
<tr>
<td>Vocabulary quizzes</td>
<td>5%</td>
</tr>
<tr>
<td>Exit Quizzes, and Turn In HW</td>
<td>10%</td>
</tr>
<tr>
<td>Homework Quizzes</td>
<td>15%</td>
</tr>
<tr>
<td>Connect Online Homework</td>
<td>10%</td>
</tr>
<tr>
<td>Two 20% Midterm Exams</td>
<td>40%</td>
</tr>
<tr>
<td>Final Exam</td>
<td>20%</td>
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<tr>
<td>Pass Math 213 Skills Test (see skills test handout)</td>
<td>Required</td>
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<tr>
<td><strong>TOTAL PERCENT</strong></td>
<td><strong>100%</strong></td>
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**STANDARD GRADING SCALE FOR THIS COURSE**

<table>
<thead>
<tr>
<th>% Range</th>
<th>Grade</th>
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</thead>
<tbody>
<tr>
<td>93 – 100</td>
<td>A</td>
<td>87 – 89</td>
<td>B+</td>
<td>77 – 79</td>
<td>C+</td>
</tr>
<tr>
<td>90 – 92</td>
<td>A-</td>
<td>83 – 86</td>
<td>B</td>
<td>73 – 76</td>
<td>C</td>
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<tr>
<td></td>
<td></td>
<td>80 – 82</td>
<td>B-</td>
<td>70 – 72</td>
<td>C-</td>
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<td></td>
<td></td>
<td>60 – 69</td>
<td>D</td>
<td>Below 60</td>
<td>F</td>
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CELL PHONE POLICY

- Turn them off (not even on vibrate) during class
- Put them away—cell phones found out in class will be placed on the front table for the rest of the class.
- No texting during class
- Electronic item use during exams or quizzes will be treated as cheating and you will receive a zero score on that 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.

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. For further information on policies regarding academic dishonesty, see the Student Code of Responsibility which can be found at the Office of Student Affairs or in the Oregon Administrative Rules (OAR 574-031-0030).

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 and a report of this activity will be sent to the Student Affairs office.

LEARNING DISABILITIES

If you have a documented learning disability, please talk to me during the first few days of class, I will be more than happy to accommodate you. If you have a documented disability which requires any academic accommodations, you must go to the Office of Disability Services (ODS) for appropriate coordination of your accommodations. You can drop by APSC 405 or contact ODS at (503) 838-8250 (V,TTY) to schedule an appointment.

To set up an Accommodations Contract, please come to my office to log into your personal AIM account and set up the contract.

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).

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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.