

MATH 107

2013-4

CRN xxxxx

Instructor: Kai wang

Office hours: xxxxxxxx

Office: 201 Deady

xxxxxxx

Phone: 541-346-4712

xxxxxxx

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and by appointment

(Please include Math 107 and your discussion leaders name in the subject line when emailing me, e.g. Math 107- Smith.)

Class: x:xxam-x:xxam, T R, 110 FEN

Discussion Sections on Thursdays:

x:xxpm-x:xxpm / CRN xxxxx / xxx DEA / TA1 / TA1@uoregon.edu

x:xxpm-x:xxpm / CRN xxxxx / xxx MCK / TA2 / TA2@uoregon.edu

x:xxpm-x:xxpm / CRN xxxxx / xxx DEA / TA3 / TA3@uoregon.edu

x:xxpm-x:xxpm / CRN xxxxx / xxx ESL / TA4 / TA4@uoregon.edu

Text: *Mathematics: A Mathematical View of Our World* by Parks, Musser, et. al., or *University Mathematics III, Math 107*

Calculator: A scientific calculator is required and will be allowed on tests.

Prerequisites: Successful completion of Math 95 or an acceptable score on the placement test through the testing office.

Course Goals: We will study chapters 2 to 6. In them, we learn some applications of mathematics in real world context including shapes in nature, voting and elections, fair division, apportionment, and networks. Use algebra to help us study geometric shapes and tiling/ symmetry/other numerical and geometric patterns. Use formulas that will be provided on assessments; student learning focuses on using such formulas appropriately and being able to compute/describe/explain/discuss, and to a certain extent know the pros and cons of, each assessment.

Attendance: Attendance is mandatory. If you miss a class, it is your responsibility to find out what was missed and catch up with the material.

Homework: Homework will be collected weekly in discussion sections. There will be time at the beginning of discussion sections for homework questions. Any further questions you have can be addressed during TAs and instructors office hours. Not all of the assigned problems will be graded. Each week, I will randomly choose some problems to be graded for accuracy. You have to show work to get credit.

Quizzes/Worksheets: Most weeks there will be either a quiz or a worksheet given in discussion sections. Quizzes/Worksheets will begin after TAs answer some questions. Students are allowed to work together and ask TAs help for Worksheets, but no collaboration or help when taking quizzes.

Exams:

- 1) Exam 1: **Thursday of Week 4, xxx xxxx**
- 2) Exam 2: **Thursday of Week 7, xxx xxxx**
- 3) Exam 3: **Thursday of Week 10, xxx xxxx**

A note on all homework, quizzes, worksheets, and exams: Unless there are documented, extreme circumstances, no late work will be accepted, nor make-up exams given.

Course grade based on:

Homework/quizzes/worksheets	40%
(HW, QZ, and WS scores are all 40 points each. 2 lowest scores will be dropped)	
Exam 1 (Ch 2, 3)	20%
Exam 2 (Ch 4, 5.1, 5.2)	20%
Exam 3 (5.3, Ch 6)	20%

Grading Breakdown: A: 90% or better, B: 80%-89%, C: 70%-79%, D: 60%-69%, F: below 60%. Plus grades will be awarded when the last digit is 8 or higher (98%-100% is A+). Minus grades will be given if the last digit is either a 0 or 1. Your final percentage will be rounded to the nearest whole number. If you are taking this course with the Pass/No Pass option, you must have 70% or better to pass.

Student Conduct: Violations of the student conduct code can result in a failing grade on any course work related to the violation, a failing grade in the course, and/or the incident being included on your student conduct record. The University of Oregon requires all instances of cheating be reported, no matter how small. Cheating includes, but is not limited to: Looking at another students exam during a test Copying the work of another person (student or otherwise) and submitting it as your own Using any materials except those explicitly approved during a test-taking situation For a list of other descriptions of cheating, see the Student Conduct Code.

Suggestions for Successful Study:

- Don't get behind in your homework, reading, etc.
- Participate in class, ask questions, and make use of my office hours.
- Form a study group with others in the class. Work together on homework but everyone must join in and submit their own work.
- Read ahead in the book. Even reading the first few pages of each lesson will help the material sink in quicker during lecture and allow you to ask meaningful questions.
- Keep all your old homework assignments, quizzes, worksheets, and exams (required). You'll find them useful when you're studying for tests.
- If you think you'll need extra help, get a tutor right away. Check with Teaching and Learning Center. (Room 68 in the Basement of PLC)
- Visit the Reading Room of the Math Library (Fenton 218) for drop-in tutoring. Some of the TAs' office hours are held there, but there are other tutors available as well.

Other Notes:

- At blackboard.uoregon.edu you may login and access course documents such as this syllabus etc. In addition, you may view your scores on homework, quizzes, worksheets and exams at any time.
- Keep all returned homework, worksheets, quizzes, and exams until the end of the quarter. In case of misrecorded scores on Blackboard, show the relevant homework/worksheet(s)/quiz(zes) to your TA, or the relevant exam(s) to the instructor, so we can make corrections.
- All non-mathematical questions (including on grading) related to HW/QZ/WS should be discussed with your TA first. Talk to me only if you cannot resolve the differences with your TA.

Homework Assignments and Guidelines: Your work should be clean, legible, and show your complete process. The front page of the assignment should have your name, discussion leader's name, and discussion time. Staple your assignment if you use more than one piece of paper. Your TA may add a few more rules on the presentation of your work. Failure to comply may result in loss of credit. Answers for most odd-numbered problems appear in the back of the book so students are encouraged to check their answers of assigned problems to catch mistakes before they turn in their homework. I expect you to spend 8-10 hours per week on homework. Start as soon as possible so, if in need, you have time to get help.

Approximate Schedule

Week	Sections to Cover		Discussion
1	2.1, 2.2		HW1(2.1)/WS1
2	2.3, 3.1		HW2(2.2, 2.3)/QZ1
3	3.1, 3.2		HW3(3.1)/QZ2
4	3.3	Exam 1	HW4(3.2, 3.3)/WS2
5	4.1, 4.2		HW5(4.1)/QZ3
6	4.3, 5.1, 5.2		HW6(4.2, 4.3)/QZ4
7	5.2, 5.3	Exam 2	HW7(5.1, 5.2)/WS3
8	6.1		HW8(5.3, 6.1)/QZ5
9	6.2, 6.3		HW9(6.2)/QZ6
10	Catch-up/Review	Exam 3	HW10(6.3)/No discussion

Important Dates (<http://registrar.uoregon.edu/calendars/academic>):

Monday of 2nd week (xxx xx)	Last day to drop without a W
Wednesday of 2nd week (xxx xx)	Last day to add a class
Sunday of 7th week (xxx xx)	Last day to withdraw (drop with a W)
xxxxxxx of xth week (xxx xx)	xxxxxxx holiday (no classes)

Notes to instructors:

- Mike Price wrote some comments on some of the sections in last year's department syllabus. Please read them. I find them very helpful for my preparation for Math 107.
- If you adopt the 3 exams schedule given in this syllabus with exam 3 given in the 10th week of classes, you need to make sure that exam 3 doesn't exceed 20% of the total course grade. Please read: <http://academicaffairs.uoregon.edu/dead-week-policy>
- If you don't already have a way to create (weighted) graphs with vertices and edges for chapter 6, here is an easy website to use: <http://illuminations.nctm.org/ActivityDetail.aspx?ID=20>
- If you plan to use Blackboard to set up your course and the discussion sections and don't know how, I'll be happy to show you what I did.