MATH 105 SPRING 2011
CRN 14028 10:00 – 11:20 TuTh 110 Fen

Instructor: Ella Kleshcheva
Office/Phone: 5 Deady Hall / 346-4724
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Office Hours:
Mon: 9-10, Tue: 12-1, Wed: 9-10
or by appointment

Discussions on Thursdays:
12:00 – 12:50 CRN 14029 – DEA 209 – Ken Bishel – kbischel@uoregon.edu
1:00 – 1:50 CRN 14030 – ANS 193 – Todd Holiday – holiday@uoregon.edu
1:00 – 1:50 CRN 14031 – DEA 209 – Kirk Forstrom – kforstro@uoregon.edu
2:00 – 2:50 CRN 14032 – DEA 102 – Keith Dunaway – kdunaway@uoregon.edu
2:00 – 2:50 CRN 14033 – DEA 106 – David Parker – dap@uoregon.edu

Textbook: *University Mathematics I and II, Math 105/106 7th ed.* by Johnson/Mowry or *Mathematics, A Practical Odyssey*, 7th edition by Johnson/Mowry. Either text will work fine since they are both the same text and are the texts used for both Math 105 and Math 106.

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

Prerequisites: The prerequisite for this course is successful completion of Math 95 or an acceptable score on the placement test.

Homework: Homework assignments will be due each week in discussion. No homework will be accepted after the assignment due date for any reason. Not all of the assigned problems will be graded. I will randomly pick up 10 problems each week and they will be graded for accuracy. You have to show work to get full credit.

Worksheets/Quizzes: Thursday discussion classes will be a combination of answers to your homework questions and worksheets/quizzes. Worksheets allow students to work together while quizzes do not. There is no way to complete the worksheet before the discussion day. There will be no make-ups on the worksheets or quizzes. The lowest worksheet/quiz score will be dropped.

Midterm: Tuesday, October 25 Midterm exam make-up is available in case of emergency or illness. Please make arrangements with me before the exam time or after the fact as soon as possible.

Final Exam: Thursday, December 8, at 8:00 a.m.

Attendance: Attendance is required, since the most important material, as well as key concepts, vocabulary, and examples, will be emphasized in class. If you do miss class, it is your responsibility to find out what you missed and obtain notes from a classmate. On several days during the term I will be taking attendance. If you are present on these days you will earn extra "insuarance" points that will be added to your exam scores.

Grading:

Homework/Worksheets/Quizzes (3 lowest scores will be dropped)	**40%**
Midterm Exam	**30%**
Final Exam	**30%**

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 an 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. You must get at least 70% to receive a pass (P) grade (if you are taking this course with the Pass/No Pass option).

Math 105 Fall 2011 Tentative Class Schedule:

Week	**Sections Covered**	Discussion
1	1.1, 1.2	Worksheet # 1
2	1.3, 1.4	Quiz 1
3	1.5, 2.1	Worksheet # 2
4	2.2, 2.3, 2.4	Quiz 2
5	Review, **Exam #1**	no Worksheet
6	3.1, 3.2, 3.3	Worksheet # 3
7	3.4, 3.5	Quiz 3
8	3.6, 4.1, 4.2	Worksheet #4
9	4.3, Thanksgiving	no Worksheet
10	4.4, Review	Review
11	Final Exam (on chapters 3 and 4)	

*For Instructor: If you prefer to go slower it is OK to cover only chapters 1-3 omitting chapter 4. In this case sections 2.5 and 3.7 can be included. In 243 course, Introduction to Probability and Statistics, they start with Chapter 4 material.

Course Goals: This course satisfies the Bachelor of Science degree requirements at the University of Oregon. The course is mainly a survey of many different topics that use mathematics or apply to mathematics. Chapter 1 is on Logic. Chapter 2 is on Sets and Counting. Most of the Chapter 2 is is used to service Chapter 3, Probability. Specifically, section 2.1 is prerequisite for section 3.2, and sections 2.3 and 2.4 are prerequisites for sections 3.4, 3.5. Chapter 4 is on Statistics. Sections 4.1 through 4.3 include the constructions of frequency distributions and histograms, and the calculation of the mean, median, mode, variance, and standard deviation. Section 4.4 is on normal distributions and z-tables.

Important Dates:

- Monday of the 2nd week – last day to drop without a 'W'
- Wednesday of the 2nd week – last day to add a class
- Sunday at the end of the 7th week – last day to drop the course or change your grading option to P/N.

General Suggestions:

- Don't get behind in your work, homework, etc.
- Participate in class, ask questions, make use of my office hours.
- Form a study group with others in the class. Feel free to work on homework together–but everyone must join-in and work.
- If you think you'll need extra help, get a tutor right away. Check with Academic Learning Services (room 68 PLC).
- Academic Learning Services also maintains a free drop-in lab with tutors starting from week 2 (room 72 PLC, Mon-Fri: 9-4.)

Homework Guidelines:

- Homework should be organized, without frayed edges, and written up neatly.
- Label each Section clearly. Show your work when it is appropriate. You have to show work to get any credit.
- If you used more than one page, staple all pages together in the upper left corner.
- In the upper right corner write your name, class number (Math 105), discussion leader's name, discussion section time, homework assignment's number (for example HW6) and sections included.
- Submit to your discussion leader during your weekly discussion section.
- In case of planned absence you may turn your work earlier into your discussion leader mailbox in 108 Deady and notify your discussion leader by email.
- No homework will be accepted after the assignment due date for any reason. I am dropping three lowest homework/worksheet/quiz scores. If you miss more than three assignments all together, your grade will suffer.
- Don't bring any assignments into my office and don't leave any assignments in my mailbox. I am not passing them to the discussion leaders.
- I expect you to spend 8-9 hours per week on homework. It is a good idea to start homework as soon as possible - you will have time to figure out what you don't understand and get help from your discussion leader or from me before it is too late.

Spring 2011 Math 105 Homework Assignments

Section	Problems To Be Turned In
1.1	1, 2, 3, 5, 6, 7, 8, 10, 11, 12, 15, 16, 19, 20, 21, 22
1.2	1, 2, 3, 4, 5, 6, 7, 9, 11, 13, 15, 18, 19, 21, 24, 25, 28, 29, 35, 36, 42, 43, 44, 45, 46, 47, 48, 49, 51, 52, 53
1.3	1, 4, 7, 10, 13, 14, 19, 22, 24, 25, 27, 30, 31, 35, 36, 38, 46, 48, 52, 58, 61, 62
1.4	1, 4, 8, 9, 15, 16, 17, 22, 26, 28, 37, 38, 40, 42, 44, 48, 49, 50, 53, 54, 55, 56, 57
1.5	1, 4, 11, 14, 23, 30, 36, 47, 49, 51, 52, 54, 55, 56, 57
2.1	2, 3, 7, 8, 15, 16, 18, 20, 22, 24, 26, 27, 29, 30, 32, 37, 38, 39, 40, 43, 44, 45, 46, 51, 52, 53, 55, 56, 57, 58, 59, 60, 61
2.2	1, 3, 8, 10, 12, 14, 18, 23, 24, 25, 26, 28, 30, 32
2.3	5, 6, 7, 8, 9, 10, 15, 16, 18, 21, 22, 25, 26, 29, 30, 31, 32, 33, 34, 37, 38, 39, 42, 44, 46, 47, 48
2.4	1, 2, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 23, 24, 25, 26, 27, 28, 29, 30, 31, 32, 33, 34, 35, 36, 37, 38, 42, 43, 44, 45, 46, 51, 52, 55, 56
3.1	11, 12, 15, 16, 17, 19, 23, 24, 25, 26, 27, 28, 34-45 all
3.2	1, 2, 3, 5, 6, 8, 10, 12, 13, 14, 19-38 all - (a)(b) only, 39, 40, 45, 46, 47, 48, 49, 57, 58, 59, 60, 61, 62, 63, 64, 67, 68, 69
3.3	11, 14, 16, 17, 19, 20, 24, 26, 29, 30, 31, 32, 36, 37, 38, 39, 40, 41, 42, 44, 45, 48, 49, 50, 51, 64, 66
3.4	1, 5, 7, 9, 10, 14, 15, 16, 17, 19, 21, 23-31 all
3.5	1, 3, 4, 5, 6, 7, 9, 11, 14, 17, 19, 20, 27, 29, 37, 39
3.6	1, 3, 5-11 all, 13, 17, 18, 19, 20, 21, 24, 25, 27, 33-46 all, 50, 51
4.1	3, 6, 10, 15, 16, 23, 24
4.2	1, 2, 7, 8, 13, 15, 17, 20, 21, 23, 33
4.3	4, 5, 15, 16, 17, 21
4.4	1, 3, 4, 7, 9, 10, 13, 15, 18, 22, 23, 24, 27, 28