Syllabus
Fall 2010
Math 107 – Finite Mathematics: Probability and Statistics

Instructor: Paul Rightmyer

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Classes: MTH 107 – Section 8 MWF 12:00 – 12:50 Washburn Hall 112.

Office Hours: Tuesday, Thursday 1:30-3:00, also by appointment.
Please stop by. If you stop by my office no later than **Sept. 16th** I will give you **5 free points.**

Text: Mathematics A Practical Odyssey Sixth Edition by David Johnson and Thomas Mowry.

Calculator: Non-programmable calculators are allowed.

Grading: **The grading for this class will be based on attendance, quizzes, a midterm and a final.** The final will be worth 200 points, the midterm will be 100 points. All quizzes will be 10 points each and will be based on HW problems. Quizzes will be given roughly once a week on Fridays when needed. Your attendance grade will be one point for every day you are in class. Depending on how many quizzes we have I will add up all total possible points and divide your points for the semester by that number to calculate your final grade for the course.

Attendance: If you are going to be absent for a valid reason email me before class and we can work something out. I will allow **three undocumented absences** without penalty (i.e. you receive your point for that class).

Homework: Homework will not be graded. All quizzes, the midterm and the final will be based off homework problems. On the back of this sheet is an outline for the course that lists which homework assignments pertains to which sections. When we finish a section you should be able to complete the assigned homework problems. There will be time in class to go over homework problems if you have questions on them.

Final: **Friday 12/17/2010 from 8:00 a.m. - 11:00 a.m.**

Policies: All school policies described in the school handbook will be followed in this class.

Chapter Section Problems

1. Symbolic Logic

1.1 p. 16 11-19 odd; 22, 23, 25, 26, 28, 32, 38, 40, 43
1.2 p. 25 1-10, 11-29 odd
1.3 p. 38 1-19 odd; 21-23 odd
1.4 p. 44 3, 5, 6, 7, 14, 22, 23, 29, 31, 37, 39

2. Counting Theory

2.1 p. 72 7-10, 17-25 odd, 30-32, 35, 51, 52
2.2 p. 84 2, 3, 4, 8, 22, 23-29 odd; 33, 35
2.3 p. 94 1-35 odd
2.4 p. 108 3-11 odd, 15, 17a, 23, 24, 27-30, 35-37

3. Finite Probability

3.2 p. 146 3, 7, 11, 15, 19, 23, 27, 40, 62, 64, 66, 67, 69, 72
3.3 p. 159 11-17 odd, 23, 25, 47-52, 60, 66, 75
3.4 p. 173 1-9 odd, 29a-c
3.5 p. 180 13-21 odd
3.6 p. 194 3, 5-8, 10, 14, 17, 19, 20, 21-25 odd
3.7 p. 210 4-6, 13, 14, 18, 20-24

4. Statistics

4.1 p. 231 5, 13, 15
4.2 p. 254 2-5, 20, 27, 31
4.3 p. 267 1-3, 7, 16
4.4 p. 291 1-3, 15-17, 21-23, 26