

**Fall 2010 MTH 107**  
**Section 5**

**Instructor:** Francine Clark, 401-341-2754, email: fclark.writer@juno.com

**Office Hours:** By appointment

**Text:** Johnson and Mowry, *Mathematics: A Practical Odyssey*; Chapters 1-4, Sixth Edition

**Calculator:** Required. No other electronic device will be allowed during exams

**Cell Phones:** Must be turned off or in silent mode; absolutely no texting allowed during class

**Prerequisite:** Basic arithmetic

Topics include logic, sets and counting, probability, and statistics. The primary goal is to develop an appreciation for mathematics in everyday events. Wherever possible, examples will be given from daily life, current events, etc. Students will be directed to various websites as reference.

Doing well in this course requires some effort on your part: Come to class, read the book, review your notes, do the homework problems, and *ask questions*. The exams will be based on homework problems. Don't be concerned if you don't understand everything. We will devote some class time to addressing any problems you might have and you can feel free to call me, email me, or arrange for time outside of class. There should be no excuse for not clearing up any problems you might have. This class is intended to be enjoyable, not tedious.

**Grading and Attendance:**

- Three one hour exams: 100 points each
- Final Project: 100 points
- Final Exam: 200 points\*
- Attendance: 100 points (see explanation, below)

There will be NO make-ups for a missed exam. The final exam will be divided into sections, each corresponding to material from the hour exams. The section corresponding to the exam you missed will count twice.

**The final exam for this class is Monday, December 20, 2010 from 8:00 am to 11:00 am**

**Attendance is a critical part of your grade.** Attendance will be taken at each class. A *documented* absence is one with prior notification or due to a weather emergency. After the fact, a medical or legal document, mechanic's bill, or evidence of a personal or family emergency will suffice. If you know that you will be absent for a legitimate reason, email me about it in advance. **You are allowed 3 undocumented absences without penalty.** The fourth and additional undocumented absences will result in a loss of 10 points per absence from your 100-point attendance credit, i.e., you may lose up to 20% of your grade through nonattendance.

**Tutoring:** The schedule for tutoring by Math teaching assistants (TA) will be posted at <http://www.math.uri.edu/Info/tutoring/> as soon as it becomes available. TAs will be there to answer your questions at the Mathematics Department. You can also get help at the Academic Enhancement Center, Roosevelt Hall, 4th floor. AEC tutors can answer your questions, clarify concepts, check your understanding, and help you with study skills. You can make an appointment (874-2367) or walk in according to the schedule that will be posted at [www.uri.edu/aec](http://www.uri.edu/aec).

**NOTE:** Students who require accommodations and who have documentation from Disability Services (874-2098) should make arrangements with me as soon as possible.

---

\* Students with a class average of 95 or above (including hour exams, attendance, and final project) will be exempt from the final exam and receive an A for the course.

## Selected Problems

**Text:** Johnson and Mowry, *A Practical Odyssey*; Chapters 1-4, Sixth Edition

Homework problems will be assigned on a regular basis and students are encouraged to work together on these.

<b>Chapter</b>	<b>Section</b>	<b>Problems</b>
<b>1. Symbolic Logic</b>	<b>1.1</b>	p. 16 11-19 odd; 49 and 51
	<b>1.2</b>	p. 25 1-10, 11-29 odd
	<b>1.3</b>	p. 38 1-19 odd; 21-23 odd
	<b>1.4</b>	p. 44 3, 6, 7, 14, 22, 23, 29, 31, 37, 39
	<b>1.5</b>	p. 56 2, 4, 8, 10, 16, 27, 29
<b>2. Counting Theory</b>	<b>2.1</b>	p. 72 8, 10, 17-25 odd, 30-32, 35, 41, 45, 46, 52
	<b>2.2</b>	p. 84 2, 3, 4, 8, 22, 23-29 odd; 33, 35
	<b>2.3</b>	p. 94 1-35 odd
	<b>2.4</b>	p. 108 3-11 odd, 15, 17a, 23, 24, 27-30, 35-37
<b>3. Finite Probability</b>	<b>3.1</b>	p. 131 8
	<b>3.2</b>	p. 146 3, 7, 11, 15, 19, 23,27,40, 62, 64, 66, 67, 69, 72
	<b>3.3</b>	p. 159 11-17 odd, 23, 25, 47-52, 60, 66, 75
	<b>3.4</b>	p. 173 6, 8, 9, 29a
<b>4. Statistics</b>	<b>4.1</b>	p. 231 5, 13, 15
	<b>4.2</b>	p. 254 20, 31
	<b>4.3</b>	p. 267 2, 7, 16
	<b>4.4</b>	p. 291 1, 17, 21, 23, 26
	<b>4.5</b>	p. 304 9, 19, 21

---