

Mathematics 181 X1. Spring 2007.

Instructor: Rosona Eldred

Office: B1 Coble Hall

E-mail: reldred2@math.uiuc.edu

Website: http://www.math.uiuc.edu/~reldred2/math118_sp07.html

Office hour: TBD

• **Text and Study Guide:** "For All Practical Purposes: Mathematical Literacy In Today's World", 7th ed., W.H. Freeman and Company, NY, NY, 2000, ISBN 0-7167-6901-8. *Other texts will be provided to supplement*

• **Course Description:** This course serves as an introduction to selected areas of mathematics through applications to real-world problems. The goal is to develop analytic problem solving skills that you can apply in your everyday life. In this course, we will learn a variety of mathematical topics. Topics may include, but are not limited to, inductive logic, probability, graphs and graph coloring, scheduling and cryptography. You are responsible for **all** material covered in the lectures, *not all of which will be found in the textbook*. You are expected to be punctual and courteous in class.

PREREQUISITE: Three years of high school mathematics, including two years of algebra and one year of geometry.

• **Class schedule:** Class meets on Monday, Wednesday, and Friday from 12:00 to 12:50 pm in room 241, Altgeld Hall. **Attendance is expected.**

• **Homework/Presentations:** A number of problems will be assigned each week and collected the next week. You should attempt to solve the problems as they are assigned. If you have difficulty with a certain type of problem, then you should try others in the book which are similar. Be sure to seek assistance if you are struggling with the homework.

• **Quizzes:** A short quiz will be given on every Friday at the end of class. Makeup quizzes will not be given. If you present official documentation excusing your absence then you will be excused from the quiz. [Please note that in this case, your quiz average will be determined by a fewer number of quizzes, thus each individual quiz carries more weight.] Your lowest quiz score will be dropped at the end of the semester. So if you miss a quiz and cannot present official documentation to excuse your absence that will be the quiz you drop.

• **Exams:** There will be three midterms during the class hour. The dates are Friday, **February 23, March 30 and April 27** . If you miss an exam and present official documentation excusing your absence, then your grade on the final exam will replace the score on the missed midterm exam.

The Final Exam is from 7:00-10:00 PM, Tuesday, May 8.

• **Grading:**

Homework (and Presentations): 10%

Quizzes: 15%

Three midterm exams each worth: 15% (So, the midterms contribute 45% of your grade)

Final: 30%

- **Accomodations:** If you are entitled to exam accommodations sanctioned by DRES, I need to be notified with official documentation by no later than **one week** before each exam.
- **Returned Work and Grade Disputes:** Homework, exams and quizzes will be returned in class. Any uncollected homework, quizzes or exams will be disposed of exactly **one week after** the day they are passed back. If you are unable to pick up your work in class, you need to make arrangements to collect it from me in office hours. You have exactly **one week after** the day these are passed back in class to discuss any grading issues. After this time, no changes will be made to your score.
- Please do not hesitate to contact me if you have questions or problems relating to this course.
- Best wishes for an enjoyable and productive semester!