

Mathematics 118 B1. Spring 2006.

Instructor: Alison Ahlgren
Office: B3 Coble Hall
Telephone: 244-3288
E-mail: alison@math.uiuc.edu

- **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.

- **Course Description:** Introduction to selected areas of mathematical sciences through application to modeling and solution of problems involving networks, circuits, trees, linear programming, random samples, regression, probability, inference, voting systems, game theory, symmetry and tilings, geometric growth, comparison of algorithms, codes, and data management.

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 9:00 to 9:50 AM in room 341, Altgeld Hall. **Attendance is expected.**

- **Homework:** A number of problems will be assigned each day. 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 24, March 31, and April 28.** 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 8:00 to 11:00 AM on Tuesday, May 9th.

- **Grading:**

Homework and/or Group Projects: 10%

Quizzes: 15%

Three midterm exams each worth: 15%

Final: 30%

- **Office hours:**

Wednesdays from 10:00-11:00 AM and Thursdays from 9:00-11:00 AM.

- 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!