

MATH 1060 – Mathematics of Decision Making
University of Georgia, Fall 2007

Syllabus

Instructor

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Course Description

This course is about the application of modern mathematics in matters of strategic decision making and optimization. The topics will include management science, logistics, voting and social choice, fair apportionment, and game theory.

Web Page

Information about the course can be found on the course web page:

http://math.uga.edu/~bjones/math1060_fall2007.html

Textbook

For All Practical Purposes by the COMAP collaboration. We will cover parts 1, 3, and 4 as well as other topics if time allows.

Details

Lectures The lectures for this course will meet as follows.

Section	Time	Room
1	MWF 10:10a – 11:00a	303 Forest Resources
2	MWF 11:15a – 12:05p	120 Life Sciences

Homework Homework will be assigned at the end of most lectures. This will *not* be collected or graded. However, to succeed in this course you will need to complete all of the assigned homework. Weekly quizzes will be given featuring questions which are *very* similar to homework questions.

Quizzes There will be weekly short quizzes. See “Homework” above. Make-ups will only be given for documented, university sanctioned absences. These must be scheduled in advance. Your lowest quiz score will be dropped.

Exams There will be three exams, one for each part of the textbook that we cover. There will also be a final exam which is comprehensive. Exam dates will be announced in class and posted on the course website. **Dates and times** for the exams will be announced in class and on the course website.

Calculators You may use an ordinary calculator for homework, quizzes, and exams. However, you do not need one to do them. Most of the computation involved will be simple arithmetic which can be done without a calculator. Cell phones, PDA's, computers, and similar devices do not count as calculators for this purpose.

Honor Code The Honor Code is in effect for all exams, quizzes, and homework assignments. You are encouraged to work together on the homework assignments, but copying in any form or submitting work done by others with your name on it is a violation of the Honor Code.

Grades The course grade is based on the following scheme:

Exams 1 – 3	50 %
Final Exam	30 %
Quizzes	20 %

Letter grades will be assigned based on the usual 10 point scale described below.

100 - 90	=	A,
89 - 80	=	B,
79 - 70	=	C,
69 - 60	=	D,
59 or less	=	F.