

Math 1060: Mathematics of Decision Making

Monday – Friday, 1:00pm – 2:00pm

Boyd 303

Andrew Maurer

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Boyd 434H

Description: Welcome to *Math 1060: Mathematics of Decision Making*. This course will focus on applications of modern mathematics to management and decision making including the solution of optimization problems using network theory, methods for optimal scheduling, voting methods, game theory, and related strategies. These applications include planning of postal delivery routes, placement of cable television lines, United States Congressional apportionment, and dispute resolution.

Office Hours and Correspondence: Office hours are tentatively scheduled for Monday 2:00pm–3:30pm and Tuesday 2:00pm–3:30pm. If you wish to contact the instructor, send an email to abm41450@uga.edu from your official UGA email account. The instructor will make every effort to respond quickly.

Course Website: <http://andrewmaurer.github.io/teaching/1060-sum17.html>

Textbook: *For All Practical Purposes: mathematical literacy in today's world* W.H. Freeman and Co., 2016. We will not be doing problems directly out of the textbook, and you will not be required to use the online resources made available by the publisher. If you would like to purchase an earlier edition, that should be fine.

Grades: Grades will be calculated as follows:

Homework	20%	A	93%	C+	77%
Class Participation	10%	A–	90%	C	73%
Quizzes	15%	B+	87%	C–	70%
Tests	30%	B	83%	D	65%
Final Exam	25%	B–	80%	F	< 65%

Homework: Written homework will generally be assigned when beginning a chapter and will be due several days after completing that chapter. Late homework will only be accepted with prior permission of the instructor.

Class Participation: You are expected to attend class and participate. Any student whose behavior subtracts from the learning atmosphere will be receive a zero for that day's participation. Students are responsible for announcements made in class, regardless of whether the student is present.

Quizzes: Quizzes may be announced or unannounced. Expect two or three quizzes per week. Your lowest two quiz grades will be dropped.

Tests: There will be three in-class tests, at the end of each of the major units. Tentative dates for these tests are:

June 19

July 3

July 17

Final Exam: The final exam *will be comprehensive*. It is scheduled for July 28, 3:30pm–6:30pm in our usual meeting room. Make-up exams will be provided only as required by university policy.

Technology policy: Technology may be used *constructively* in the classroom. This means tablets may be used to take notes, and cell phones may be used to take pictures of the board. If the instructor believes technology is distracting to himself or to other students, this policy will be revised.

Calculator policy: Calculators may be used on homework. Calculators *may not* be used on quizzes, tests, and the final exam. The instructor will ensure computations are not too intensive and non-reduced answers will be accepted.

Academic Honesty: As a University of Georgia student, you have agreed to abide by the University's academic honesty policy, *A Culture of Honesty*, and the Student Honor Code. All academic work must meet the standards described in *A Culture of Honesty* found at: <http://ovpi.uga.edu/academic-honesty/academic-honesty-policy>. Lack of knowledge of the academic honesty policy is not a reasonable explanation for a violation. Questions related to course assignments and the academic honesty policy should be directed to me.

Academic Accommodation: If you require any kind of special accommodation please see your instructor. Requests for academic accommodations should be made as soon as possible and at least one week prior to a graded activity to insure that we provide the proper resources. Students must register with the Disability Resource Center to verify their eligibility for appropriate accommodations.

Disclaimer: The course syllabus is a general plan for the course; deviations announced to the class by the instructor may be necessary.