

Math 1060 – Decision Math

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Office Hours: Tuesday: 11-12, Wednesday: 1:15-2:15

Objectives: In this class, we will investigate mathematics which has “real world” applications as its central motivation. The topics covered will include classical problems from graph theory, coding theory, voting methods and others. The goal will be to develop a working, conceptual understanding of the topics discussed with the ability to apply what is learned both inside and outside of the classroom. The departmental outline of the course is at <http://www.math.uga.edu/undergraduate/1060.pdf>

Pre/Co-requisite: None

Book: *For All Practical Purposes*. Sixth Edition. Available in the bookstore.

Grading:

The normal 10 point grading scale will be used.

[90,100] =A; [80,90) =B; [70,80) =C; [60,70)=D; [0,60)=F

A plus/minus will be included on grades in the top/bottom 2 percent of each range.

Grading will be based on the following:

Tests 50%

Short Quizzes 20%

Final Exam 30%

At least one quiz and one test will be dropped.

Extra Credit: There will be no extra credit.

Homework: Homework will usually be assigned at the end of (most) every class. While the homework will not be collected, the quiz questions will come (almost) directly from the homework. In addition, doing the assignments is the only way to master the material for the tests.

Quiz/Test Dates: These dates will be posted later.

Make-up Assignments: There will be no make-ups. If you miss a quiz or a test, it will count as your dropped grade. So do not miss a graded activity without due cause. The only exception to this rule is if you are going to miss more than can be dropped and ALL of your absences are as a result of a university recognized absence, e.g. recognized death in family, hospitalization, etc.

Attendance: Attendance is necessary for your success in this class. However, no attendance will be taken, and there is no deduction for missing class. See the make-up section above for more information about missing assignments.

Academic Honesty: You are required to follow the university’s honor policy on all of your work in this class. Collaboration is encouraged during homework, but the work which is graded should be 100% yours. Any violation of the academic honesty policy will result in the maximum allowable penalty for such an infraction including (but not limited to) receiving an F for the assignment and/or the class and being turned over to the proper authorities for further discipline. You are responsible for maintaining the integrity of your work. Failure to secure your work is also a violation of the academic honesty policy of this class. The university’s *A Culture of Honesty*, which includes definitions of dishonesty, can be found at: http://www.uga.edu/ovpi/academic_honesty/academic_honesty.htm

