

Course Information**Instructor:** Brendan Healy, Brendan.Healy@tufts.edu. Bromfield-Pearson 207**Text:** *Finite Mathematics and Its Applications, 11th Edition* by Goldstein, Schneider, and Siegel. This course will cover linear equations and linear programming (Chapters 1-3), counting and enumeration (Chapter 5), probability and statistics (Chapters 6-7), Markov processes (Chapter 8) and game theory (Chapters 9). There will be two midterm exams and a final:**Exam 1** : Thursday, February 19, 12:00-1:20 p.m.**Exam 2** : Monday, March 30, 12:00-1:20 p.m.**Final Exam:** Friday, May 1, 8:30-10:30 a.m.**Exam Policies:** Please read the complete Mathematics Department exam and grading policy which can be found on the department website: <http://math.tufts.edu> under the Exams & Grading Policy menu item.No calculators will be allowed in the exams. You must show your work to receive full credit for an answer. You are required to sign your exam book. With your signature you are pledging that you have neither given nor received assistance on the exam. Students found violating this pledge will receive an **F** for the course and will be reported to the Dean of Students.

If you are requesting an accommodation as a result of a documented disability, you must register with the Student Accessibility Services Office at the beginning of the semester. To do so, call the Student Service Desk at 617-627-2000 to arrange an appointment with Linda Sullivan, Program Director of Disability Services.

Homework: The only way to learn mathematics is by solving problems! There is a homework assignment for each lesson of the course. You will receive one point if the homework you hand in contains a bona fide attempt to solve each exercise (showing your work) and the correct answer to at least $2/3$ of the exercises. You may talk with friends and/or your instructor and you may check your answers using the back of the book and the solutions manual when doing your homework. The solutions that you hand in must, however, be written in your own words. If you have $n \geq 16$ homework points at the end of the semester, then $(n - 16)/10$ points will be added to your final average (see below). Homework is due at the class following the lesson to which it corresponds except when the class following is a review for an in-term exam; these assignments are due the first class after the exam. We will begin collecting homework beginning with the third assignment. Note that the graders might not read your solutions as carefully as we will read your exams; expect us to be more demanding on the exams.**Your Grade:** Your course grade will be computed as follows. Suppose that L is the lower of your two midterm exam scores, T is the other midterm exam score, F stands for your final exam score, and H is your homework credit. Your overall course average is the larger of these two numbers:

$$.20L + .30T + .50F + H \quad \text{or} \quad \frac{L + T + F}{3} + H$$

There will be no make-ups for the two midterm exams. If you miss a midterm exam for a reason accepted as legitimate by the Mathematics Department, your average would become the larger of these two numbers:

$$.25T + .75F + H \quad \text{or} \quad .45T + .55F + H$$

Learning Objectives: The learning objectives of this course include 1a,b,c,d,e and 6 in the list of Tufts Mathematics Undergraduate Learning Objectives:<http://ase.tufts.edu/faculty-committees/assessment/math.htm>