

# Math 110 §1, Spring 2008

## **Finite Mathematics**

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Text: Barnett, Ziegler, and Byleen, **Finite Mathematics**,  
11<sup>th</sup> edition, Pearson-Prentice Hall

### Course Description

Finite mathematics is a course originally developed in the 1960's at Dartmouth by John Kemeny to provide an introduction to highly applicable mathematics not requiring calculus concepts. The original course focused primarily on discrete probability, matrix algebra, linear programming, and Markov chains. The course has developed since to include a chapter on the mathematics of finance, with a special emphasis on annuities and their application to savings plans and loan amortization. The topics are chosen for accessibility and for broad interest and utility, making this a good course for general education in mathematics. Because this is a formal reasoning course I will expect you to understand the reasoning behind the mathematics as well as the algorithmic calculation and applications.

### Exams and Grading

We will have a midterm and a final, each worth 150 points and covering approximately half of the course. There will be 12 quizzes based on homework assignments. Dates for the exams and quizzes can be found on the calendar (on line at <http://www.iwu.edu/~lstout/Finite/FiniteCalS07.html>). The top ten quizzes will provide 200 points.

I will use a straight scale for determining grade. To allow flexibility at boundaries, I reserve the right to change the boundaries, but will draw them no higher than:

A : 90% or over  
A-: [87,90)  
B+: [83,87)  
B : [78,83)  
B-: [75,78)  
C+: [70,75)  
C : [65,70)  
C-: [60,65)  
D : [50,60)  
F : below 50%

*Note:* The line for passing will not move, the others *may* move downward.

## Attendance Policy

I expect you to read the relevant sections of the book before the class where I will be discussing them. Classes and office hours are what you pay tuition for, so take advantage of them. If you don't come to class you will not learn the material with the same emphasis that I put on it. There is no deduction of points for classes missed; however, because the lowest two quizzes will be dropped, there will be no make up quizzes given.

## Policy on Academic Integrity

Work handed in for a grade is expected to be your own work. On daily learning there is something to be gained by talking with your fellow students: study groups and/or discussions on the material and homeworks are encouraged in this course. However, you do have to pay special attention of your ability to work independently: understanding the material and being able to solve problems on your own is what you need for quizzes and examinations. All quizzes and exams require all work to be done individually. Any cheating on exams or quizzes will be treated as a violation of the policy on academic dishonesty in the student handbook and will be reported to the Associate Provost.