

**Math 45**

Mr. Jim Gilmore

Office: FEM-4F

Hours: T 12-1, W 10-11, TH 10-11, and F 11-12

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Spring 2000

EXT. 365

**COURSE DESCRIPTION: Basic Skills Advisories: Eligibility for ENGL 25 and ENGL 26.****Subject Prerequisites: MATH 3.**

Designed to provide an introduction to mathematical problem solving in diverse areas of modern life such as statistics, social choice, measurement, and management science for students in the arts, humanities and social science.

**OBJECTIVES:**

- A. Solve problems from the area of management science by means of linear programming.
- B. Derive the probability of succeeding at basic games of chance.
- C. Describe statistical data in a variety of methods.
- D. Measure the rate of growth of different systems.
- E. Characterize and compare different voting systems.
- F. Find terms of a sequence and series; e.g., the Fibonacci sequence.
- G. Create geometric shapes using recursive construction rules.

**REQUIRED TEXT:** Tannenbaum and Arnold, Excursions in Modern Mathematics, Prentice Hall, 3<sup>rd</sup> Edition, 1998.

**ATTENDANCE:** Students are expected to attend all class meetings, be on time, and be in class the entire class session. The only excused absences are those due to a school-related activity or a requirement to appear in court. Calling me to tell me you will be absent **does not** excuse you.

**STUDENTS LEAVING CLASS BEFORE THE END OF CLASS WILL BE COUNTED AS BEING ABSENT!** Your classmates and I would greatly appreciate that students in the class take care of any personal needs (i.e., using the restroom, getting a drink, sharpening a pencil) before class begins. **Five (5) absences** may result in a drop from the course. However, if you decide to drop the course, it is **your** responsibility to make the drop official in the Administrations and Records office or else possibly receive a grade of F.

**NOTE:** The drop deadline is **Friday, March 10, 2000.**

**TARDIES:** Students are expected to be on time. It is distracting, rude and unfair to fellow classmates and to the instructor when a student is late. If you are not present when roll is taken you will be counted as absent.

**HOMEWORK:** Some homework will be collected. Each assignment collected will be graded on completeness, neatness, and effort. Homework should be written on one side of a standard sized paper 8.5" x 11" (No spiral paper please) stapled in the upper left-hand corner, and in order. Homework should be written in pencil. Record the class name, your name, homework (chapter, section and problems), and date on each homework assignment. On graded homework, a selected few problems will be graded. You will also be given homework checks. Problems must be written out (except word problems) and all work must be shown in order to receive credit. **NO LATE HOMEWORK WILL BE ACCEPTED!** *Note: Being absent the day homework is collected does not entitle you to turn it in late!*

**TESTS:** There are no makeups for missed tests. NO EXCEPTIONS!

**FINAL EXAM:** A two-hour comprehensive final exam worth 1 test will be given at the end of the semester during finals week. The final exam will replace your lowest test score.

Students are required to participate in all class discussions and activities. You may not start the homework during class. You may not study for another class or read a book during class.

**GRADING:**

- ***HOMework***: All of your homework scores and your attendance points will be added up and divided by the total possible (homework + attendance) points for the semester. This number is then multiplied by 100 to give a score between 0 and 100.
- ***TESTS***: All of your test percentages will be averaged. This will give you a score between 0 and 100.
- Your homework grade is worth 30% of your grade. Your test score is worth 70% of your grade. ***Example:*** If your homework grade is 80 and your test grade is 70, then you would compute your grade as follows:

$$(.30)(80) + (.70)(70) = 24 + 49 = 73$$

| <u>Percent of Total Points</u> | <u>Grade</u> |
|--------------------------------|--------------|
| 89-100                         | A            |
| 78-88                          | B            |
| 65-77                          | C            |
| 55-64                          | D            |
| 0-54                           | F            |

***Important Dates***

|                |   |
|----------------|---|
| January 10     | Instruction begins                                  |
| January 17     | Martin Luther King Day                              |
| February 11    | Last day to change a class to or from CR-NC Grading |
| February 18-22 | Lincoln and Washington Day                          |
| March 10       | Mid-term report period                              |
|                | Nine-week drop date for full-term length course     |
| April 17-22    | Spring Break  |
| May 15-19      | Final Exams   |