

Management Techniques
Course Number: 26:834:525 Course Credits: (3)
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Course Objectives:

This course is designed to introduce you to the managerial uses of quantitative techniques. Upon completion of this course, you will be able to use these techniques on your job, or, in the case of the more complicated techniques like computer simulation, you will be able to design and evaluation projects completed by management science or engineering professionals.

Course Prerequisites:

This course is taught at a level that targets the student who suffers from congenital mathematical deficiency (CMD). I assume that you are above average intelligence but have successfully avoided math courses until this point in your academic career. Consequently, I will not assume extensive math background but I do believe that you can learn the techniques and formulas by applying yourself. However, if you are a mathematical wizard then this course is not for you. See me and we will find a course that will be more challenging for someone with an extensive mathematics background.

Office Hours:

I am on campus on Wednesdays and Thursdays. If we need to meet please make an appointment. I can be most easily reached via e-mail and I recommend that you use it for any questions or comments you have about the material that we will cover during the semester.

Grading:

Your grade will be based on two exams, a midterm and a final. These tests follow a standard format: you must be able to provide an overview of the management technique being examined and you must be able to demonstrate that you can solve a managerial problem using the technique. The two tests are weighted equally.

Computer Skills:

I assume that you are basically computer literate and are able to manipulate a simple spreadsheet. It will be helpful if you have your own computer. There will be homework and you will need to bring your analysis to class.

Course Outline:

I have not attached dates to the topics to be covered this semester since we will move at the pace that best suits the class. The topics that we will cover over the course of the next 14 weeks are:

Linear Programming Decision Analysis Computer Simulation Forecasting
Project Scheduling: PERT
Anderson Chapters 7, 8, 9 Anderson Chapter 4 Anderson Chapter 16 Anderson
Chapter 6 Anderson Chapter 12