

## Global Learning Semesters

### Course Syllabus

Course: IMG-486 Quantitative Methods

Department: Management and MIS

Host Institution: University of Nicosia, Nicosia, Cyprus



Course Summary		
Course Code	Course Title	Recommended Credit Hours
IMG-486	Quantitative Methods	3
Semester Offered	Contact Hours	Prerequisites
Fall, Spring	42	MATH-220.
Department	Level of Course	Language of Instruction
Management and MIS	Upper Division	English

### Course Description

The course has three parts. The first part introduces students to the basic principles of forecasting and familiarises them with a number of statistical forecasting methods. The second part introduces students to the basic principles of linear programming and shows how optimisation techniques can be used to solve both maximisation and minimisation problems concerning the allocation of resources. The third part introduces students to the basic ideas of project scheduling and shows how managers can make use of project scheduling tools in order to plan and schedule projects that consist of numerous tasks or activities.

### Instructor

Harry Kogetsidis

### Course Aims and Objectives

This course aims to provide an introduction to Quantitative Methods, as they are used in Business and Management. The course takes a business perspective and concentrates on how quantitative methods can be used in decision making and problem solving.

### Teaching Methods

The course is delivered through a combination of lectures and seminar work. All sessions include a number of problems, which aim to give students the opportunity to apply the methods introduced in the lecture to business problems and to propose policy alternatives.

### Course Teaching Hours

42 hours a semester inclusive of formal lectures and seminar work. The course is delivered during the Fall and Spring semesters in 14-weeks (3 hours/week).

### Evaluation and Grading

Mid-term examination: 40%  
Final examination: 60%

## Readings and Resources

### Required Textbook

The Quantitative Methods Course Handbook written by the lecturer is used as the required text for this course. This is 136-page document, which includes all the material covered in this course.

### Recommended Reading

Students are encouraged to refer to any quantitative methods / management science textbooks which cover the topics of forecasting, linear programming and project scheduling and to use them as additional reading for this course.