# Global Learning Semesters
## Course Syllabus
Course: MATH-150 Finite Mathematics
Department: Computer Science
Host Institution: University of Nicosia, Nicosia, Cyprus

| Course Summary | | |
|---|---|---|
| **Course Code** | **Course Title** | **Recommended Credit Hours** |
| MATH-150 | Finite Mathematics | 3 |
| **Semester Offered** | **Contact Hours** | **Prerequisites** |
| Fall, Spring, Summer | 56 | MATH-105 (Intermediate Algebra) or MATH-160 (College Algebra) or Pass the Mathematics Placement Test 105 (MPT-105) or Pass the Mathematics Placement Test 160 (MPT-160) |
| **Department** | **Level of Course** | **Language of Instruction** |
| Computer Science | Lower Division | English |

## Course Description

The material of this course can be grouped into two main themes: Linear Algebra and Applications; Combinatorics, Probability and applications. More specifically the following topics are covered: Linear Equations, Systems of Linear Equations, Matrices, Linear Programming (Geometric Approach and Simplex Method), Sets, Counting Techniques, Probability, Markov Chains and Game Theory.

## Instructor

Maria Hadjiparaskeva Adamides

## Course Aims and Objectives

This course is designed to give the students a background in mathematics as a tool for making effective business decisions.

## Teaching Methods

The course is delivered through a mixture of lectures, tutorials, practical exercises, assignments and quizzes. Lab presentations and lab tutorials using an appropriate mathematical software and/or demonstrations by a graphic calculator are also used.

## Course Teaching Hours

56 hours (56 hours lectures/presentations/tutorials). The course is delivered during the Fall and Spring semesters in 14-weeks (4 hours/week). During the Summer session the course is delivered in 7 weeks (8 hours/week).

## Evaluation and Grading

Class Participation/Homework/Quizzes: 0-30%
Mid-Term(s):                               30-50%
Final Exam:                                    40-50%

## Readings and Resources

**Required Textbook**

Mizrahi and Sullivan, Finite Mathematics/An Applied Approach, 8th edition, New York: John Wiley & Sons Inc., 2000. ISBN 0-471-32202-4.