

Global Learning Semesters

Course Syllabus

Course: MATH-450 Probability

Department: Computer Science

Host Institution: University of Nicosia, Nicosia, Cyprus



Course Summary		
Course Code	Course Title	Recommended Credit Hours
MATH-450	Probability	3
Semester Offered	Contact Hours	Prerequisites
Fall	42	MATH-191: Calculus and Analytic Geometry II
Department	Level of Course	Language of Instruction
Computer Science	Upper Division	English

Course Description

The following topics are covered: random variables, probability distribution functions, cumulative distribution functions, independence, expected value, covariance, convergence of sequence of random variables, law of large numbers.

Instructor

Dr George Portides

Course Aims and Objectives

The goal of the course is to give the students basic knowledge and understanding of fundamental topics and results from the theory of probability.

Teaching Methods

The course is delivered through a mixture of lectures, handouts, tutorials, practical exercises and assignments.

Course Teaching Hours

42 hours (42 hours lectures/presentations/tutorials). The course is delivered during the Fall semester in 14-weeks (3 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

Peggy, Tang and Strait, A first course in probability and statistics with applications, International Thomson Publishing, 1999, ISBN: 0-030-45459-X