

Global Learning Semesters

Course Syllabus

Course: MATH-320 Advanced Statistics

Department: Computer Science

Host Institution: University of Nicosia, Nicosia, Cyprus



Course Summary		
Course Code	Course Title	Recommended Credit Hours
MATH-320	Advanced Statistics	3
Semester Offered	Contact Hours	Prerequisites
Fall, Spring	42	MATH-220: Statistics
Department	Level of Course	Language of Instruction
Computer Science	Upper Division	English

Course Description

The following topics are covered: Correlation and Regression Analysis, Analysis of Qualitative Data, Analysis of Variance, Nonparametric tests, Time Series Analysis

Instructor

Dr Haritini Tsangari

Course Aims and Objectives

To familiarize students with advanced statistical tests specially designed for applications in business problems. This course is a continuation of Introductory Statistics.

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 and Spring semesters 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

Mason, Lind and Marchal, Statistical Techniques in Business and Economics, Irwin-Mc Graw-Hill, 1996. ISBN: 0-073-03929-2