COURSE DESCRIPTION

Title:	**APPLIED STATISTICS FOR MANAGERIAL DECISIONS**	Compulsory	◉
		Elective	☐
Lecturer(s):	Efstathios Klonaris, Professor AUA	Autumn	◉
	Panagiotis Lazaridis, Emeritus Professor AUA	Spring	☐
	Chrysovalantis Malesios, Assistant Professor AUA		

COURSE GOALS

The aim of the current course is to describe the most widespread methods of statistical data analysis in a simple way without complex mathematical proofs and formulas, so that it is possible to be understood by all students of different research backgrounds and directions who will deal with the Management of Food Businesses. For this reason, particular emphasis has been placed on examples, exercises and case studies that are presented and analyzed in a suitably organized computer lab.

COURSE CONTENTS

	Unit	*Hrs*
1.	Descriptive statistics	6
2.	Point and interval estimation	3
3.	Hypotheses testing	6
4.	Non parametric analysis	3
5.	Simple linear regression	6
6.	Multiple linear regression	6
7.	Violation of basic assumptions in regression	3
8.	Dummy variables	3

TEACHING METHOD

HOURS		
Taught	26	
Seminar		No of pers. assignments
Collaboration with lecturer		
Laboratory	10	No of group assignments
TOTAL:	36	

EXAMINATION

Weight	
Written exam	
Orals	
Pers assignmts	
Group assignts	
TOTAL:	

BIBLIOGRAPHY

- Gerald Keller, Statistics for Economics and Business Administration, Epikentro (in Greek),
- Halkos G. Statistics, Typothito-Dardanos (in Greek)

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