Course Name : Probability and Statistics

Course Code	Course Type	Regular Semester	Lecture (hours/week)	Seminar (hours/week)	Lab. (hours/week)	Credits	ECTS
CMP 227	B	Fall	3.00	0.00	1.00	3.50	5.00

Lecturer	Edlir Spaho, MSc
Assistant	
Course language	Albanian
Course level	Bachelor
Description	
Objectives	
Core Concepts	

Course Outline

Week	Topic
1	Introduction to Probability and Statistics
2	Graphing Distributions I
3	Graphing Distributions II
4	Summarizing Distributions
5	Describing Bi-variate Data
6	Basic Concepts of Probability and Main Probability Distributions
7	Research Design
8	Semi-Final Exam
9	Normal Distributions
10	Advanced Graphs
11	Sampling Distributions
12	Statistical Quality Control
13	Logic of Hypothesis Testing
14	Analysis of Regression
15	Analysis of Variance
16	Final Exam

Prerequisites	The student must attend the course at a minimum rate of 75%.
Literature	• W. Navidi (2006), Statistics for Engineers and Scientists, New York. • Pyrczak, F. (2004). Success at statistics. Glendale, CA: Pyrczak Publishing
References	• http://onlinestatbook.com/2/index.html

Course Outcome

1	Organizing and evaluating statistical data.
2	Handling and organizing statistical results.
3	Problem solving by theoretical and practical statistical techniques.

Course Evaluation

In-term Studies	Quantity	Percentage
Midterms	1	30
Quizzes	0	0
Projects	0	0
Term Projects	1	20
Laboratory	0	0
Class Participation	1	10
Total in-term evaluation percent		**60**
Final exam percent		**40**
Total		**100**

ECTS Workload (Based on Student Workload)

Activities	Quantity	Duration (hours)	Total (hours)
Course duration (Including the exam week: 16x Total hours of the course)	16	4	64
Study hours outside the classroom (Preparation, Practice, etc.)	14	3	42
Duties	1	10	10
Midterms	1	4	4
Final Exam	1	5	5
Other	0	0	0
Total Work Load			**125**
Total Work Load / 25 (hours)			**5.00**
ECTS			**5.00**