TOROS ÜNİVERSİTESİ

Faculty Of Economıc, Admınıstratıve And Socıal Scıences
Psychology (Englısh)

Course Information

STATISTICS IN BEHAVIORAL SCIENCES II					
Code	**Semester**	**Theoretical**	**Practice**	**National Credit**	**ECTS Credit**
		Hour / Week			
PSY110	Spring	3	0	3	6

Prerequisites and co-requisites	None
Language of instruction	Turkish
Type	Required
Level of Course	Bachelor's
Lecturer	Assist.Prof.Dr. Ayhan DEMİRCİ
Mode of Delivery	Face to Face
Suggested Subject	None
Professional practise (internship)	None
Objectives of the Course	To provide an introduction to some concepts of probability and statistics with applications of health enterprises problems. The course illustrates many examples of common statistical methods for students who would like to focus on descriptive relationships and information intensive fields.
Contents of the Course	Permutations, Combinatins, Probability, Discrete and Continuous random variables with their probability distributions and expectations, Samping distributions.

Learning Outcomes of Course

#	Learning Outcomes
1	will be able to define data and summarize the relationship between datas
2	will be able to define decriptive statsitics.
3	will be able to define hypothesis tests.
4	will be able to apply some hypothesis tests.
5	will be able to apply regression and correlation analysis.
6	will be able to apply variance analysis

Course Syllabus

#	Subjects	Teaching Methods and Technics
1	Editing and recording of data.	Lecturing, Discussion
2	Descriptive statistics.	Lecturing, Discussion
3	Hypothesis Tests.	Lecturing, Problem Solving
4	Hypothesis Tests.	Lecturing, Problem Solving
5	t-Tests.	Lecturing, Problem Solving
6	z-Tests.	Lecturing, Problem Solving
7	F-Tests.	Lecturing, Problem Solving
8	Mid-Term Exam.	Written exam
9	Nonparametric Hypothesis Tests - Chi-Square Tests.	Lecturing, Problem Solving
10	Nonparametric Hypothesis Tests - Chi-Square Tests.	Lecturing, Problem Solving

11	Regression Analysis.	Lecturing, Problem Solving
12	Regression Analysis.	Lecturing, Problem Solving
13	Variance Analysis.	Lecturing, Problem Solving
14	Variance Analysis.	Lecturing, Problem Solving
15	Covariance Analysis.	Lecturing, Problem Solving
16	Final Exam	Written exam

Course Syllabus

#	Material / Resources	Information About Resources	Reference / Recommended Resources
1	Basic Statistics for Business and Economics	Earl K.Bowen Martin K.Starr	Reference Textbook
2	Introduction to Statistics	David R.Anderson Dennis J. Sweeney	Suggested Textbook
3	Elementary Statistics	Allan G.Bluman	Suggested Textbook
4	Principles of Applied Statistics	David Cox, Christi A. Donnelly	Suggested Textbook
5	Applied Statistics and Probability for Engineers	D.C. Montgomery	Suggested Textbook
6	Applied Statistics in Business and Economics	David P. Doane	Suggested Textbook

Method of Assessment

#	Weight	Work Type	Work Title
1	40%	Mid-Term Exam	Mid-Term Exam
2	60%	Final Exam	Final Exam

Relationship between Learning Outcomes of Course and Program Outcomes

#	Learning Outcomes	Program Outcomes	Method of Assessment
1	will be able to define data and summarize the relationship between datas	4,12	1,2
2	will be able to define decriptive statsitics.	4,12	1,2
3	will be able to define hypothesis tests.	4,12	1,2
4	will be able to apply some hypothesis tests.	4,12	1,2
5	will be able to apply regression and correlation analysis.	4,12	1,2
6	will be able to apply variance analysis	4,12	1,2

PS. The numbers, which are shown in the column Method of Assessment, presents the methods shown in the previous table, titled as Method of Assessment.

Work Load Details

#	Type of Work	Quantity	Time (Hour)	Work Load
1	Course Duration	14	3	42
2	Course Duration Except Class (Preliminary Study, Enhancement)	14	3	42
3	Presentation and Seminar Preparation	0	0	0
4	Web Research, Library and Archival Work	0	0	0
5	Document/Information Listing	0	0	0
6	Workshop	0	0	0
7	Preparation for Midterm Exam	1	16	16
8	Midterm Exam	1	2	2
9	Quiz	0	0	0
10	Homework	2	9	18

11	Midterm Project	0	0	0
12	Midterm Exercise	0	0	0
13	Final Project	0	0	0
14	Final Exercise	0	0	0
15	Preparation for Final Exam	1	27	27
16	Final Exam	1	3	3
				150