

# TOROS ÜNİVERSİTESİ

Faculty Of Economic, Administrative And Social Sciences  
Psychology (English)

## Course Information

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

<b>Prerequisites and co-requisites</b>	
<b>Language of instruction</b>	Turkish
<b>Type</b>	Required
<b>Level of Course</b>	Bachelor's
<b>Lecturer</b>	Asst.Prof.Dr. Ayhan DEMIRCI
<b>Mode of Delivery</b>	Face to Face
<b>Suggested Subject</b>	
<b>Professional practise ( internship )</b>	None
<b>Objectives of the Course</b>	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.
<b>Contents of the Course</b>	The subject of scientific research,the process of scientific research,research design,measuremant,data collecting techniques,sampling,scientific ethics.

## Learning Outcomes of Course

#	Learning Outcomes
1	A student can define scientific research and can explain scientific research process
2	Can make research design
3	Can explain sampling process
4	Can design survey
5	Can make quantitative and qualitative analysis
6	Can prepare research report by interpreting data analysis results

## Course Syllabus

#	Subjects	Teaching Methods and Technics
1	Basic Statistics Concepts	Synchronous
2	Probability Distributions (Binomial, Poisson, Hypergeometric, Normal)	Synchronous
3	Probability Distributions (Binomial, Poisson, Hypergeometric, Normal)	Synchronous
4	Prediction Theory	Synchronous
5	Prediction Theory	Synchronous
6	Survey and Survey Preparation Techniques	Synchronous
7	Hypothesis Tests (Decision Theory)	Synchronous
8	Midterm	Online
9	z-Test	Synchronous
10	z-Test	Synchronous

11	t-Test	Synchronous
12	t-Test	Synchronous
13	f-Test (ANOVA)	Synchronous
14	f-Test (ANOVA)	Synchronous
15	Reporting and Reporting Examples	Synchronous
16	Final Exam	Online

## Course Syllabus

#	Material / Resources	Information About Resources	Reference / Recommended Resources
1	SPSS Uygulamalı Çok Değişkenli İstatistik Teknikleri (Şeref KALAYCI)		
2	Uygulamalı İstatistik II (Alaaddin Başar, Erkan Oktay)		

## 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	A student can define scientific research and can explain scientific research process	10	1,2
2	Can make research design	3	1,2
3	Can explain sampling process	2	1,2
4	Can design survey	10	1,2
5	Can make quantitative and qualitative analysis	2	1,2
6	Can prepare research report by interpreting data analysis results	2,5	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	1	24	24
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	20	20
8	Midterm Exam	1	1	1
9	Quiz	0	0	0
10	Homework	0	0	0
11	Midterm Project	0	0	0
12	Midterm Exercise	0	0	0
13	Final Project	1	6	6

14	Final Exercise	0	0	0
15	Preparation for Final Exam	1	14	14
16	Final Exam	1	1	1
				<b>150</b>