

<b>Course Name:</b> Experimental Psychology		<b>Course Level:</b> Undergraduate			<b>Language:</b> English
<b>Course Code</b>	<b>Prerequisites</b>	<b>Corequisites</b>	<b>(T + P hours)</b>	<b>ECTS Credit</b>	<b>Type</b>
PSYC3205	-	-	3+0	6	Compulsory

**Course objectives:** Learning experimental research techniques.

**Course description:** Introduction to the experimental research methods through covering various examples of experiments in different fields of psychology, differentiation of various experimental designs in lab and field settings. Identifying the variables in these examples, conducting experiments and presenting these as verbal or posters in individual or student groups. The application of mostly the cognitive developmental topics such as attention, perception, learning, language, and memory with an experimental research design.

**Evaluation system (in percentages):**

Midterm	Quiz	Project	Total
%40	%10	%50	100

## Reference

Kantowitz, B.H., Roediger III, H.L. & Elmes, D.G. (2009). Experimental Psychology

## Weekly Course Topics

Week	Topic
1.	Course Introduction
2.	How is Research Conducted in Psychology?
3.	Research Techniques: Observation and Correlation
4.	Research Techniques: Experiments
5.	Research Techniques: Experiments
6.	Research Techniques: Experiments
7.	Midterm
8.	Ethics- APA Writing Rules / Literature Review
9.	How to Write a Research Proposal?

10.	Experiment Examples - Conditioning and Learning
11.	Experiment Examples - Conditioning and Learning
12.	Project studies
13.	Project studies
14.	Project Proposal Submission

### **Contribution of the Course to the Program Outcomes**

#### **Course Outcomes**

Students will gain the following knowledge and skills at the end of the course:

1. Describe experimental and non-experimental research.
2. Formulate research questions/hypotheses.
3. Detect different kinds of variables in experiments and recognize the experimental designs.
4. Conduct a psychological experiment.
5. Successfully present the results of an experimental study with a written academic report and a poster.

	<b>Program Outcomes</b>	<b>CO1</b>	<b>CO2</b>	<b>CO3</b>	<b>CO4</b>	<b>CO5</b>
1.	To examine and compare different concepts in subfields of psychology and to have basic application skills.			X	X	
2.	To apply analytical and critical thinking skills in various fields of psychology, to be able to solve the problems related to the field with contemporary methods.		X		X	
3.	The student has the skills to interpret facts, events and data, to define and analyze problems, to develop solutions based on research and evidence by using the knowledge and skills they have acquired in the field.					
4.	Discussing and criticizing professional and ethical issues in program design and professional practice.					
5.	To explain the procedures and rules in psychological measurement and interview techniques, and to develop the ability to apply them at a basic level.					
6.	Adopting the rules of the positivist method and designing scientific research, collecting data, analyzing data and scientifically reporting the results.		X	X	X	X

7.	To gain the basic principles of scientific thinking, to be able to separate and / or integrate the knowledge gained by other disciplines with a critical point of view.	X	X			
8.	To develop the competence for using the necessary information and communication technologies used to reach and spread information.				X	X
9.	To use oral and written communication skills effectively both in Turkish and at least one foreign language.					X
10.	Working effectively in individual and multidisciplinary research teams.				X	
11.	To develop respect for interpersonal and cultural diversity and to have social responsibility.					
12.	To be aware of psychological resilience, personal and professional development.					

Course Evaluation and ECTS Workload			
Types of Work	Number		
	ECTS Workload		
		Time	
Attendance	14	3	42
Final exam	0	0	0
Quizzes	5	3	15
Semester project	0	0	0
Assignments	0	0	0
Final project	1	20	20
Seminar	0	0	0
Duties	3	3	9
Presentation	0	0	0
Midterm	1	3	3
Project	1	20	20
Lab	0	0	0
Private lesson time	0	0	0
Other (Personal study)	14	5	70
		Total workload	179
		Total workload/25	7.16
		ECTS Credit	6

**Teaching Methods and Techniques:** Lecture, Research, Application

**Prepared By:**

**Date:**