

## Course Syllabus

1	<b>Course title</b>	Experimental psychology	
2	<b>Course number</b>	٢٣٠٧٣١٢	
3	<b>Credit hours</b>	3	
	<b>Contact hours (theory, practical)</b>	3	
4	<b>Prerequisites/corequisites</b>		
5	<b>Program title</b>	Bachelor, Psychology	
6	<b>Program code</b>		
7	<b>Awarding institution</b>	University of Jordan	
8	<b>School</b>	Literature	
9	<b>Department</b>	Psychology	
10	<b>Course level</b>		
11	<b>Year of study and semester (s)</b>	٢٠٢١/٢٠٢٢	
١٢	<b>Other department (s) involved in teaching the course</b>		
١٣	<b>Main teaching language</b>	Arabic	
١٤	<b>Delivery method</b>	<input type="checkbox"/> Face to face learning <input checked="" type="checkbox"/> Blended <input type="checkbox"/> Fully online	
١٥	<b>Online platforms(s)</b>	<input type="checkbox"/> Moodle <input type="checkbox"/> Microsoft Teams <input type="checkbox"/> Skype <input type="checkbox"/> Zoom <input type="checkbox"/> Others.....	
١٦	<b>Issuing/Revision Date</b>		

### ١٧ Course Coordinator:

Name:	Contact hours:
Office number:	Phone number:
Email:	



### ١٨ Other instructors:

Name: Feras Ali Mohammad Al-Habies

Office number: Head of department office

Phone number:

Email:

Contact hours: 10-2

Name:

Office number:

Phone number:

Email:

Contact hours:

### ١٩ Course Description:

The course deals with the foundations of the experimental method and the characteristics that distinguish it from other research methods in psychology. It includes a definition of the main elements of the experiment, namely: variables and their measurement, hypotheses derivation and formulation, experimental control and control strategies, and various experimental designs. And carrying out a number of experiments in controlled laboratory conditions and writing a report about them according to the conditions of the accepted scientific method.



## ٢٠ Course aims and outcomes:

### A- Aims:

The course aims to provide students with the skills of conducting experiments on psychological phenomena and behavioral problems, using the scientific method, introducing them to the types of experimental designs used, how to choose a research problem, formulating hypotheses, writing a scientific report of the experiment, and conducting laboratory experiments on various topics such as memory and Perception, reaction time, and transmission of the effect of learning and training. It also aims to identify the variables used in experiments and how to control, isolate and control extraneous variables.

### B- Students Learning Outcomes (SLOs):

Upon successful completion of this course, students will be able to:

SLOs	SLO (1)	SLO (2)	SLO (3)	SLO (4)
SLOs of the course				
1. Knows experimental psychology and its objectives				
2. Know the types of experimental designs				
3. He learns how to choose the problem and formulate hypotheses				
4. Designs an experiment and adjusts the variables				
5. Compare between the experimental method and the objectives				
6. To think well of research issues				
7. To link psychological issues and practical life				
8. Compares the experimental method with other research methods in psychology				
9. Other research methods in psychology				
10. He writes a scientific report on every experiment he conducts				
11. Choose the appropriate sample in the experiment				
12. Learn to perform statistical analysis of experimental designs				
13 Adhere to the ethics of experimental research				

## ٢١. Topic Outline and Schedule:

Week	Lecture	Topic	Student Learning Outcome	Learning Methods (Face to Face/Blended/Fully Online)	Platform	Synchronous / Asynchronous Lecturing	Evaluation Methods	Resources
1	1.1	Introduction to experimental psychology	2	Face to face	On site	Synchronous		
	1.2	Definitions of experimental psychology	3	Face to face	On site	Synchronous		
	1.3	Importance experimental psychology	6	Face to face	On site	Synchronous		
2	2.1	The relationship of experimental psychology and a historical overview of experimental psychology	8	Blended	Moodle & Teams	Asynchronous		
	2.2	Basic Concepts in Experimental Psychology	3	Face to face	On site	Synchronous		
	2.3	Types of experiments	1	Face to face	On site	Synchronous		
3	3.1	Variables in the experiment, hypotheses, research tools, samples	4	Blended	Moodle & Teams	Asynchronous		
	3.2	Classification of experiments	٥	Face to face	On site	Synchronous		
	3.3	Characteristics of experimental	٦	Face to	On site	Synchronous		

		method		face		ous		
4	4.1	Experimental procedure steps		Blended	Moodle & Teams	<b>Asynchronous</b>		
	4.2	experimental designs	١+٢	Face to face	On site	Synchronous		
	4.3	Hypothesis Sources	٩	Face to face	On site	Synchronous		
5	5.1	Retro time and related experiences	١٢	Blended	Moodle & Teams	<b>Asynchronous</b>		
	5.2	Psychophysics and its related experiences	٧	Face to face	On site	Synchronous		
	5.3	Perception with experience	٧	Face to face	On site	Synchronous		
6	6.1	memory with experiences	٨	Blended	Moodle & Teams	<b>Asynchronous</b>		
	6.2	Research Methods and Experimental Psychology	٨	Face to face	On site	Synchronous		
	6.3	Transferring the impact of learning and training with experiences	٨	Face to face	On site	Synchronous		
7	7.1	The ethics of experimental research	٣	Blended	Moodle & Teams	<b>Asynchronous</b>		
	7.2	Discuss experiences	١	Face to face	On site	Synchronous		
	7.3	Do experiments created by students	١	Face to face	On site	Synchronous		
8	8.1	Do experiments created by students	Definition of experimental psychology	Face to face	On site	Synchronous	Experiments through practical evaluation and	Introduction to experimental psychology Muhammad Ghanem et al

							tests	
	8.2	Application Mechanisms of Experimental Psychology	The importance of experimental psychology	Blended	Moodle & Teams	<b>Asynchronous</b>	Exams	Introduction to experimental psychology Muhammad Ghanem et al
	8.3	The ethics of experimental scientific research	The relationship of experimental psychology to other sciences	Face to face	On site	Synchronous	Exams	Experimentation in psychology Faten Al Sadiq
9	9.1	Occupations in which experimental psychology is used	Understand the basic concepts of experimental psychology	Face to face	On site	Synchronous	Exams	Introduction to experimental psychology Muhammad Ghanem et al
	9.2	Scientific research tools	Distinguish between the variables in the experiment  Distinguish between the variables in the experiment  - sample selection	Blended	Moodle & Teams	Asynchronous	Exams	Introduction to experimental psychology Muhammad Ghanem et al
	9.3	Comparing the experimental method with the descriptive method	The ability to classify experiences  Know the advantages of the experimental method	Face to face	On site	Synchronous	Exams	Experimentation in psychology Faten Al Sadiq
10	10.1	Experimental research design steps	Know the steps of the experiment	Face to face	On site	Synchronous	Exams	Introduction to experimental psychology Muhammad Ghanem et al
	10.2	Types of experimental designs	Identify the types of experimental	Blended	Moodle & Teams	Asynchronous	Exams	Introduction to experimental psychology

			designs and the sources of hypotheses					Muhammad Ghanem et al
	10.3	Retro time and experimental research	The concept of retrograde time. Experimentation	Face to face	On site	Synchronous	Conduct experiments	Introduction to experimental psychology Muhammad Ghanem et al
	11.1	The physical environment and the control of variables	Understand the concept of psychophysics. Conduct experiments	Face to face	On site	Synchronous	Conduct experiments	Introduction to experimental psychology Muhammad Ghanem et al
11	11.2	Sensory perception in practical experiences	Perceptual experiences	Blended	Moodle & Teams	Asynchronous	Conduct experiments	Introduction to experimental psychology Muhammad Ghanem et al
	11.3	Sensory and working memory in experiences	Remembrance and memory with experiments	Face to face	On site	Synchronous	Conduct experiments	Introduction to experimental psychology Muhammad Ghanem et al
	12.1	The Strobe effect in practical experiments	Recognize the types of transmission of the impact of learning and training with conducting experiments	Face to face	On site	Synchronous	Conduct experiments	Experimental psychology Thaer Al-Ghubari, Talal Al-Ali
12	12.2	Ethical controls in experiments	Learn the ethics of experimental research	Blended	Moodle & Teams	Asynchronous	Conduct experiments	Introduction to experimental psychology Muhammad Ghanem et al
	12.3	The mechanism of formulating the experiment in scientific research	Discussing students' experiences	Face to face	On site	Synchronous	Discussing experiments	Experimental psychology Thaer Al-Ghubari, Talal Al-Ali
13	13.1	Conducting experiments	Practical	Face to	On site	Synchronous	practical	



		suggested by students	Training	face		ous	training	
	13.2	Conducting experiments suggested by students	Practical Training	Blended	Moodle & Teams	Asynchronous	practical training	
	13.3	Conducting experiments suggested by students	Practical Training	Face to face	On site	Synchronous	practical training	
14	14.1	Conducting experiments suggested by students	Practical Training	Face to face	On site	Synchronous	practical training	
	14.2	Revision						
	14.3	Revision						

## ٢٢ Evaluation Methods:

Opportunities to demonstrate achievement of the SLOs are provided through the following assessment methods and requirements:

Evaluation Activity	Mark	Topic(s)	SLOs	Period (Week)	Platform
Exams	30	All topics	1,2,3	10	
Homework	20	All topics	1,2,3	11	
Final exam	50	All topics	13—1,2	14	

## ٢٣ Course Requirements

**(e.g: students should have a computer, internet connection, webcam, account on a specific software/platform...etc):**

. Laboratory and prepared room for psychological interviews

Using some of the tools and devices available to conduct experiments in the psychology laboratory

## ٢٤ Course Policies:

A- Attendance policies:

University regulations apply to this article, with regard to attendance, punctuality, exams, and



make-up exams due to absence with permission; fraud penalties; and policies related to duties and projects. Students should be aware of these regulations, as well as other laws and regulations.

B- Absences from exams and submitting assignments on time:\

University regulations apply to this article, with regard to attendance, punctuality, exams, and make-up exams due to absence with permission; fraud penalties; and policies related to duties and projects. Students should be aware of these regulations, as well as other laws and regulations.

C- Health and safety procedures:

It is not permissible to conduct any field visit or apply any test without observing the ethical standards related to obtaining approval and under the direct supervision of the subject teacher.

D- Honesty policy regarding cheating, plagiarism, misbehavior:

The university regulations announced on the official university website under the title “Bachelor’s Degree Granting Instructions” are applied.

E- Grading policy:

30 marks mid-term exam

20 marks for assignments and project

10 points to share

40 marks for the final exam

F- Available university services that support achievement in the course:

## ٢٥ References:

A- Required book(s), assigned reading and audio-visuals:

Mohamed Ghanem (2011). An introduction to experimental psychology. Shukri office for publishing and distribution. Riyadh

B- Recommended books, materials, and media:

1. McLean, Kimbrough (2016). Experimental psychology. Translated by Thaer Ghobari and Talal Ali. Dar Al-Fikr: Amman

2. Faten Al-Sadiq (2011). Experimentation in psychology. Dar Al-Fikr: Amman.

<http://www.utpb.edu/media/pbf/labmaualfinal.pdf>

<http://www.apa.org/about/division/div3aspx>

Journal of Experimental Psychology : General



--

## ٢٦ Additional information:

No additional information
---------------------------

Name of Course Coordinator: -----Signature: ----- Date: ----- -----
Head of Curriculum Committee/Department: ----- Signature: ----- ---
Head of Department: ----- Signature: ----- -
Head of Curriculum Committee/Faculty: ----- Signature: ----- -
Dean: ----- Signature: -----