

General information	Course name, code and the number of	PSYC 401 Research methods in psychology, 6 ECTS	
	Department	Psychology	
	Program (bachelor master)	Bachelor	
	Academic semester	Spring 2024	
	Instructor	Aydan Khasmammadzade	
	E-mail:	khasmammadzade@gmail.com	
	Phone	-	
	Room	Neftchilar Campus	
	After class consultations:	After class sessions (around 10 minutes)	
Prerequisites	-		
Teaching language	English		
Subject	Mandatory		
Teaching literature	<ul style="list-style-type: none"> ➤ Research Methods for Psychology, T.L. Brink, Ph.D., M.B.A. Crafton Hills College, 2017 ➤ Research Methods in Psychology, 4th edition. Rajiv s. Jhangiani, i-chant a. Chiang, carrie cuttler, and dana c. Leighton ➤ Research Methods In Psychology, 2012. The open university of HongKong 		
Teaching methods	Lectures	+	
	Group discussion	+	
	Practical exercise	+	
	Case study analyzing	+	
Evaluation	Components	Dates/ deadline	Percentage (%)
	Midterm	Week 8	30 (6 open questions) each will be evaluated max 5 points
	Activity	During semester	5 (how active student on classes)
	Article, book analysis	During semester	10 (questions, which will be based on article, book)

	Presentations/ group descrip-	1 month since the the project will be an-	10 (project done by student individually)
	Final exam	January	40 (5 open questions) each of them will be evaluated by 8 points
	Attendance	4 absence in class is the limit.	5 (presence of student on on-line or offline classes)
	Total		100
Course description	During the course the students will provide with the main knowledge about the main principles how to conduct experiments in psychology. And what is the psychology as a science.		
Course aims	The main aims of the course to provide student with the knowledge about main experimental designs in psychology. Additionally how to create the new experiments and how to put it on paper.		
Learning outcomes	<p>By the end of the semester, students will be able to:</p> <ul style="list-style-type: none"> ➤ Understand the Scientific Research in Psychology ➤ Clearly understand the main notions related to experimental research in the field of psychology ➤ Use the main experimental tools in practice. 		
Marking criteria	<p>Participation To be prepared to classes, be active during class, ask questions about the topic in discussions and make logical comments according to the topic. At this time, it is important to respect the opinions of other group members, not to divide their words, listen carefully, ask questions and make comments.</p> <p>Organization The project is appropriate for the topic and audience. The information is presented in a logical sequence. References are included</p> <p>Content Introduction is attention-getting, lays out the problem very well, and establishes a framework for the rest of the presentation. Project contains accurate information. Material included is relevant to the overall purpose of the presentation. There is an obvious conclusion summarizing the research.</p>		
Rules (teaching policy)	<p>Attendance and criteria for being late for a lesson:</p> <ul style="list-style-type: none"> ➤ It is important for students to attend all classes. If a student is unable to attend classes for a valid reason (illness, family status, etc.), he / she must report the matter to the faculty dean. Students who do not take more than 20% of the total subject matter hours are not allowed to take the exam. <p>Criteria for practical issues:</p> <ul style="list-style-type: none"> ➤ Identifying projects for individual presentation and presenting them to the group with presentations based on innovation, and topic-based research. ➤ Students will be actively involved in the questionnaire and questioning methodology so that they can self-assess and gain insight into each subject's new teaching and learning skills. <p>Criteria for assessing activity:</p> <ul style="list-style-type: none"> ➤ Disrupting the classroom and using unethical phrases during class, engage in inappropriate and unauthorized discussions, use cell phones, hearing aids and radio, and engage in other activities not related to the course (reading, writing, taking pictures, etc.). is regarded as a factor affecting activity ➤ Active participation in discussions. 		

Week	Topics	Textbook
1.	Scientific Research in Psychology. Goals of Science. Research Ethics. Moral Foundations of Ethical Research. From Moral Principles to Ethics Codes. Putting Ethics Into Practice	Research Methods For Psychology, T.L. Brink, Ph.D., M.B.A.
2.	Science and Clinical Practice. Empirically Supported Treatments.	Research Methods For Psychology, T.L. Brink, Ph.D., M.B.A. Crafton
3.	Understanding Psychological Measurement. Reliability and Validity of Measurement. Practical Strategies for Psychological Measurement. Levels of Measurement	Research Methods in Psychology, 2012. The Open University Of Hong
4.	Experiment Basics. Experimental Design. Experimentation and Validity. Practical Considerations. Inferential Statistics. Understanding Null Hypothesis Testing.	Research Methods in Psychology, 2012. The Open University Of Hong
5.	Descriptive Statistics. Variables. Sampling and Measurement. Statistical Relationships Between Variables. Differences Between Groups. Correlations Between Quantitative Variables.	Research Methods For Psychology, T.L. Brink, Ph.D., M.B.A. Crafton
6.	Internal Validity. External Validity. Manipulation of the Independent Variable. Control of Extraneous variables. Extraneous Variables as “Noise”	Research Methods For Psychology, T.L. Brink, Ph.D., M.B.A. Crafton
7.	Correlational Research. Complex Correlation. Qualitative Research. Observational Research Constructing Surveys. Conducting Surveys	Research Methods In Psychology, 2012. The Open University Of Hong
8.	Midterm exam.	
9	Experimental Design. Between-Subjects Experiments. Random Assignment. Conducting Experiments. Recruiting Participants. The Volunteer Subject.	Research Methods For Psychology, T.L. Brink, Ph.D. M.B.A. Crafton Hills College

10.	Treatment and Control Conditions. The Powerful Placebo. One-Group Designs. Non-Equivalent Groups Designs. Standardizing the Procedure.	Research Methods in Psychology, 4th edition. Rajiv S. Jhangiani, I- Chant A. Chiang
11.	Experimenter's Sex as an Extraneous Variable.	Research Methods in Psychology, 4th edition. Rajiv S. Jhangiani, I- Chant A. Chiang
12.	Introduction to ANOVA. 1 and 2 way ANOVA. Similarities and differences.	Research Methods in Psychology, 4th edition. Rajiv S. Jhangiani, I- Chant A. Chiang
13.	Presenting Your Research. American Psychological Association (APA) Style	Research Methods in Psychology, 4th edition. Rajiv S. Jhangiani, I- Chant A. Chiang
14.	Project presentations. Analysis.	
15.	Project presentations. Analysis	
16.	Final Exam	