School of Humanities and Social Sciences / Psychology (English)

2024 - 2025 Academic Year

RESEARCH METHODS in PSYCHOLOGY

Syllabus

Course Description					
Name	**Code**	**Semester**	**T+A Hour**	**Credit**	**ECTS**
RESEARCH METHODS in PSYCHOLOGY	PSY2151270	Fall Semester	3+0	3	6

Prerequisites Courses	
Recommended Elective Courses	
Language of Instruction	English
Course Level	First Cycle (Bachelor's Degree)
Course Type	Required
Course Coordinator	Prof.Dr. Gökhan MALKOÇ
Name of Lecturer(s)	Prof.Dr. Gökhan MALKOÇ
Assistant(s)	
Aim	This course presents a reader-friendly introduction to the basic principles of scientific methods of research. This course focuses on a specific step in the research process, providing perspectives in experimental research as well as non-experimental approaches such as ex-post facto research, correlational research, and survey research. Briefly, the aim of the course is to provide students a familiarity with and understanding of various research methods in the behavioral sciences and mathematical procedures applied to these methods.
Course Content	This course contains; Introduction to Scientific Reasoning,Introduction to Scientific Reasoning,Introduction to Scientific Reasoning,Research Foundations for Any Claim ,Research Foundations for Any Claim ,Tools for Evaluating Frequency Claims,Tools for Evaluating Frequency Claims,Tools for Evaluating Association Claims,Tools for Evaluating Association Claims,Tools for Evaluating Causal Claims,Tools for Evaluating Causal Claims,Tools for Evaluating Causal Claims,Balancing Research Priorities,Balancing Research Priorities.

Course Learning Outcomes	**Teaching Methods**	**Assessment Methods**
1. Describe the scientific approach to the study of psychological phenomena.	10, 16, 6, 9	A
2. Apply the ethical principles that govern research in psychology.	10, 16, 6, 9	A
3. Experience to conduct a literature search using peer-reviewed sources.	10, 16, 6, 9	A
4. Acquire the key concepts in research design including operational definitions, variables, reliability, validity, and sampling procedures.	10, 16, 6, 9	A
5. Explain the strengths and limitations of research designs used in psychology.	10, 16, 6, 9	A
6. Draw valid conclusions from empirical evidence with an awareness of the limits of various research methods.	10, 14, 16, 6, 9	A
7. To be familiar with APA style.	10, 13, 14, 16, 2, 6, 9	A, E
8. Get familiar with the basic concepts of the statistics that is used in psychology.	10, 16, 6, 9	A

Teaching Methods	10: Discussion Method, 13: Case Study Method, 14: Self Study Method, 16: Question - Answer Technique, 2: Project Based Learning Model, 6: Experiential Learning, 9: Lecture Method
Assessment Methods	A: Traditional Written Exam, E: Homework

Lecture Schedule

Sequence	**Topics**	**Preliminary Preparation**
1	Introduction to Scientific Reasoning	Psychology Is a Way of Thinking - Chapter1
2	Introduction to Scientific Reasoning	Sources of Information: Why Research Is Best and How to Find It - Chapter2
3	Introduction to Scientific Reasoning	Three Claims, Four Validities: Interrogation Tools for Consumers of Research - Chapter 3
4	Research Foundations for Any Claim	Ethical Guidelines for Psychology Research - Chapter 4
5	Research Foundations for Any Claim	Identifying Good Measurement- Chapter 5
6	Tools for Evaluating Frequency Claims	Surveys and Observations: Describing What People Do - Chapter 6
7	Tools for Evaluating Frequency Claims	Sampling: Estimating the Frequency of Behaviors and Beliefs - Chapter 7
8	Tools for Evaluating Association Claims	Bivariate Correlational Research - Chapter 8
9	Tools for Evaluating Association Claims	Multivariate Correlational Research - Chapter 9
10	Tools for Evaluating Causal Claims	Introduction to Simple Experiments - Chapter 10
11	Tools for Evaluating Causal Claims	More on Experiments: Confounding and Obscuring Variables - Chapter 11
12	Tools for Evaluating Causal Claims	Experiments with More Than One Independent Variable - Chapter 12
13	Balancing Research Priorities	Quasi-Experimentsand Small-N Designs - Chapter 13
14	Balancing Research Priorities	Replication, Generalization, and the Real World - Chapter 14

Evaluation Methods	**Weight(%)**
Midterm Exam	40
General Exam	60

Resources
Morling, B. (2017). Research methods in psychology (3rd ed.). WW Norton.