

TITLES	EXPLANATIONS
Title of Course	Quantitative Research Methods I
Code of Course	PSK 112
Type of Course	Compulsory
Level of Course	Undergraduate
Year of Study	1
Semester/Trimester	2
Number of ECTS	5
Name of Lecturer(s)	Instr. Leman Korkmaz
Course Learning Outcomes	<p>At the end of this course students are expected to;</p> <p>LO1. Gain enough methodological knowledge to follow the steps of a scientific research.</p> <p>LO2. Be able to follow manuals for scientific research report writing (i.e. APA) and present verbal and written reports in accordance with the rules required in these manuals.</p> <p>LO3. Be able to apply the Turkish and English writing schemas used in a scientific report.</p> <p>LO4. Be able to effectively use the library, scientific data sources and the internet in ones research.</p> <p>LO5. Know how to prevent scientific plagiarism behavior.</p> <p>LO6. Follow the ethical rules that should be abided in scientific research.</p> <p>LO7. Be able to individually prepare a quantitative scientific research proposal to investigate a certain issue.</p>
Mode of Delivery	The style of teaching is face-to-face interaction.
Prerequisites and Co-requisites	There is no prerequisite or co-requisite for this course.
Recommended Optional Programme Component	None
Course Contents	<ol style="list-style-type: none"> 1. Getting Acquainted, Introduction to Research Methods 2. What is Science? How is Scientific Research Conducted? 3. Ethics 4. Research Plan: Forming a Research Question and Literature Review 5. Theory, Hypothesis, and Variables 6. Observation 7. Survey Studies and Sampling 8. Experimental Studies I: Independent Groups Design 9. Experimental Studies II: Repeated Measures Design 10. Experimental Studies III: Complex Designs 11. Case Studies and Small-N Research 12. Quasi-Experimental Designs 13. Presentation of Research Proposals 14. Integration and review session
Recommended or Required Reading	<p>(Primary Textbook)</p> <ol style="list-style-type: none"> 1. Shaughnessy, J. J., Zechmeister, E. B., & Zechmeister, J. S. (2012). <i>Research methods in psychology (9. Ed.)</i>. Singapore: McGraw-Hill. 2. Çırakoğlu, O. C., Yeniçeri, Z., Kökdemir, D., Demirutku, K., Muratoğlu, B., Işın, G. & Sayın, P. (2011). <i>Akademik yazım kuralları kitapçığı</i>. Ankara: Başkent Üniversitesi. <p>(Suggested References)</p> <ol style="list-style-type: none"> 1. Christensen, L. B. (2001). <i>Experimental methodology (8. baskı)</i>. Boston: Allyn & Bacon. 2. Beins, B. C. (2004). <i>Research methods: A tool for life</i>. Boston: Pearson. 3. Pettigrew, T. F. (1996). <i>How to think like a social scientist</i>. New York: Longman. 4. Burns, R. B. (2000). <i>Introduction to research methods</i>. London: Sage. <p>* The primary textbooks for this course is renewed every year.</p>

Planned Learning Activities and Teaching Methods	This course is conducted through discussions on the material presented in class and over the compulsory reading material. With this aim in mind, (a) regular lectures supported by visual presentations and (b) class discussions are used. These class discussions are designed in such a way to help students develop critical thinking skills. Through quizzes and assignments, students' skill of reading, discussion, evaluation, and summation of scientific articles are aimed to be developed and improved. Students are also prepare and present a research proposal both in written and oral.
Assessment Methods and Criteria	Quizzes and Assignments (15%), 1 Midterm (25%), 1 Research Proposal (30%), 1 Final Exam (30%)
Language of Instruction	Turkish
Practicum	None

Program Outcomes	Course Learning Outcomes						
	LO1	LO2	LO3	LO4	LO5	LO6	LO7
Analyze problems with the scientific method and appropriate scientific tools.	X						X
Think critically and creatively, ask questions, make comments using the knowledge and skills they have acquired.	X						X
Develop a positive attitude toward life-long education.				X			
Use the library, scientific databases, internet and other sources effectively.	X			X			X
Have the skills to find out, analyze, evaluate, decide about, and apply the alternative solutions to problems.	X						X
Be open-minded to use knowledge stemming from different disciplines and/or areas of psychology.	X						X
Develop a positive attitude toward critical thinking.	X						X
Have advanced theoretical and applied knowledge of psychology supported by contemporary course material.							
Have the necessary knowledge and skills to analyze and synthesize the main areas of psychology.							
Be competent in English and Turkish.	X	X	X		X		X
Use effective methods to present, share and discuss scientific information.							
Be able to write scientific papers by using international manuals such as APA.		X			X	X	
Show courage and use the necessary skills to propose solutions to the problems of the world they live in.							
Show courage and have necessary skills to propose solutions to the problems of their own life.							
Have a positive attitude to statistics and be able to use common statistical software packages.							
Be able to plan and conduct research independently.							
Apply qualitative and/or quantitative methods depending on the nature and the scope of a given problem.							
Know the research methods and statistical procedures used in behavioral sciences.							
Use tools such as questionnaires, inventories, scales, and tests.							
Apply psychological knowledge to other problem areas for community welfare.							
Use theoretical and applied knowledge in accordance with ethical standards.					X	X	