

School of Education / Special Education Teaching
2022 - 2023 Academic Year
RESEARCH METHODS in EDUCATION
Syllabus

Course Description					
Name	Code	Semester	T+A Hour	Credit	ECTS
RESEARCH METHODS in EDUCATION	ÖE2175430	Fall Semester	2+0	2	3
Prerequisites Courses					
Recommended Elective Courses					
Language of Instruction	Turkish				
Course Level	First Cycle (Bachelor's Degree)				
Course Type	Required				
Course Coordinator	Assist.Prof. Metin KAYA				
Name of Lecturer(s)	Assoc.Prof. Özcan Erkan AKGÜN				
Assistant(s)					
Aim	This course aims to provide knowledge and skills related to quantitative approaches and methods, qualitative approaches and methods, and mixed approaches and methods in the field of education.				
Course Content	This course contains; scientific research , definitions,problem statement in educational research studies,paradigms and educationaş research methods,choosing research participants in educational research studies,data collection techniques 1(quantitative),data collection techniques (qualitative),data analysis 1 (quantitative),data analysis 2 (qualitative),coding systems,access to scientific references and data bases,validity and reliability,action research,writing reports,writing research proposal.				
Course Learning Outcomes		Teaching Methods	Assessment Methods		
Explain the basic concepts and principles related to research methods.		2	A, C		
Defines quantitative, qualitative and mixed research designs.		2	A, C		
Analyzes scientific researches according to basic paradigms;		2	A, C		
Compares quantitative research methods with each other according to their characteristics.		2	A, C		
Compares qualitative research methods with each other according to their characteristics.		2	A, C		
Comprehends sampling methods.		1, 12, 2, 3	A		
Realizes the advantages and disadvantages of sampling methods.		1, 12, 15, 3	A		
Explains the general features of data collection tools.		1, 12, 15, 3	A		
Recognize the basic statistical analyzes used in quantitative research.		1, 12, 15, 3	A		
Recognizes the basic data analysis techniques used in qualitative research.		1, 12, 15, 3	A		
Reports scientific research results according to general rules.		1, 12, 15, 2, 3	A		
Evaluates research processes. (recognizing the problem, identifying the problem and sample, collecting and analyzing data, interpreting the results)		1, 12, 15, 3	A		
Teaching Methods	1: Lecture, 12: Case study, 15: Problem solving, 2: Question - Answer, 3: Discussion				
Assessment Methods	A: Written Exam, C: Homework				
Lecture Schedule					
Sequenc e	Topics	Preliminary Preparation			
1	scientific research , definitions	The relevant section is read from the source books and researched.			
2	problem statement in educational research studies	The relevant section is read from the source books and researched.			
3	paradigms and educationaş research methods	The relevant section is read from the source books and researched.			
4	choosing research participants in educational research studies	The relevant section is read from the source books and researched.			
5	data collection techniques 1(quantitative)	The relevant section is read from the source books and researched.			
6	data collection techniques (qualitative)	The relevant section is read from the source books and researched.			
7	data analysis 1 (quantitative)	The relevant section is read from the source books and researched.			
8	data analysis 2 (qualitative)	The relevant section is read from the source books and researched.			
9	coding systems	The relevant section is read from the source books and researched.			
10	access to scientific references and data bases	The relevant section is read from the source books and researched.			
11	validity and reliability	The relevant section is read from the source books and researched.			
12	action research	The relevant section is read from the source books and researched.			
13	writing reports	The relevant section is read from the source books and researched.			
14	writing research proposal	examine sample proposal			
Evaluation Methods		Weight(%)			
Midterm Exam		40			
General Exam		60			

Resources	
Karasar, N. (2016). Bilimsel Araştırma Yöntemi. Nobel Yayıncılık. Büyüköztürk vd. (2021). Bilimsel Araştırma Yöntemleri. Pegem AkademiLecture notes to be shared by the lecturer	