SCIENTIFIC RESEARCH METHODS									
1	Course Title:	SCIENTIFIC RESEARCH METHODS							
2	Course Code:	RES3011							
3	Type of Course:	Compulsory							
4	Level of Course:	First Cycle							
5	Year of Study:	3							
6	Semester:	5							
7	ECTS Credits Allocated:	4.00							
8	Theoretical (hour/week):	2.00							
9	Practice (hour/week):	0.00							
10	Laboratory (hour/week):	0							
11	Prerequisites:	-							
12	Language:	German							
13	Mode of Delivery:	Face to	face						
14	Course Coordinator:	Öğr.Gör.	. MÜGE GÜLTEKİN						
15	Course Lecturers:	-							
16	Contact information of the Course Coordinator:	mgultekin@uludag.edu.tr +90 (224) 294 25 73 Uludağ Üniversitesi Eğitim Fakültesi Güzel Sanatlar Eğitimi Bölümü Resim-İş Eğitimi Anabilim Dalı Görükle Kampüsü Görükle/Bursa TÜRKİYE							
17	Website:								
18	Objective of the Course:	This course aims to introduce students the process of scientific research and the methods used in research. It also aims to teach students the methods and techniques used in literature survey, data collection and analysis and writing reports.							
19	Contribution of the Course to Professional Development:								
20	Learning Outcomes:								
		1	To be able to explain the method of scientific research						
		2	To be able to define research process						
		3	To be able to list the sections of a scientific article						
		4	To be able to explain the importance of the rules used in the preparation of scientific research						
		5	To be able to make a literature survey for a scientific research						
		6	To be able to explain different data collection methods						
		7	To be able to understand how to use tables, figures, numbers and footnotes in a scientific article						
		8	To be able to make references correctly						
		9 To be able to explain the ethical rules that should to be obeyed during a scientific research							
		10	-						
21	Course Content:								
		Co	ourse Content:						
Week	Theoretical Practice								

4	,			
1	To inform the students about the course content, the aim and the outcomes of the			
	course. To give information about science, scientific			
	method, scientific research, the phases of			
	scientific research, the qualities of scientific			
	data, truthfulness, trustworthiness and scientific language in research using a			
	PowerPoint presentation.			
2	To explain and compare qualitative and			
	quantitative research approaches with examples in a PowerPoint presentation.			
3	To discuss the "Introduction" part of research			
	process and techniques. To explain the concept of problem, the			
	causes of problems, the choice of problem			
	and criteria and the concept of variable using			
	a PowerPoint presentation To examine examples of scientific research.			
4	To explain the topics such as aim,			
	importance, hypotheses, limitations and definitions which are involved in the			
	"Introduction" part of research process using			
	a PowerPoint presentation.			
_	To examine examples of scientific research.			
5	To discuss the "Methodology" part of the research process and techniques.			
	To explain the following topics, which are			
A - 4::-	linvolved in the "Methodology" part of research	Ni	D	T-4-1 \\\/1.
Activit	ies	Number	Duration (hour)	
				Load (hour)
Theore	ipalexamine examples of scientific research.	14	2.00	28.00
	als/Labs	0	0.00	0.00
Self stu	ध्रिक्स क्रिक्स क्र	14	4.00	56.00
Homev	vorks	0	0.00	0.00
Project	method of data collection.		0.00	0.00
	rhethod of data collection.	0		
Field S	itudies	0	0.00	0.00
	itudies		0.00 16.00	0.00 16.00
Midterr	tudies To explain Plagiarism, the process of creating leading and criteria in creating reports using	0		
Midterr	itudies To explain Plagiarism, the process of creating reports and criteria in creating reports using reports using records examine examples of scientific research.	0	16.00	16.00
Midterr Others Final E	tudies To explain Plagiarism, the process of creating leading and criteria in creating reports using	0	16.00	16.00 0.00
Midterr Others Final E Total V	To examine examples of scientific research.	0	16.00	16.00 0.00 20.00
Midterr Others Final E Total V	tudies To explain Plagiarism, the process of creating lexams Treports and criteria in creating reports using To examine examples of scientific research. Vork Load	0	16.00	16.00 0.00 20.00 120.00
Midterr Others Final E Total V	To examine examples of scientific research. Vork Load Orb Spala@Othe characteristics, phases, Credit of the Course collection methods using s PowerPoint	0	16.00	16.00 0.00 20.00 120.00 4.00
Midterr Others Final E Total V	To examine examples of scientific research. To examine examples of scientific research. To examine examples of scientific research. To examine examples of scientific research. Vork Load To baptarothe characteristics, phases, Credit of the Course collection methods using s PowerPoint presentation.	0	16.00	16.00 0.00 20.00 120.00 4.00
Midterr Others Final E Total V Total w ECTS	To explain Plagianism, the process of creating reports and criteria in creating reports using to examine examples of scientific research. To examine examples of scientific research. To examine examples of scientific research. To examine examples of scientific research. Credit of the Course collection methods using s PowerPoint presentation. To examine examples of scientific research.	0	16.00	16.00 0.00 20.00 120.00 4.00
Midterr Others Final E Total V	To examine examples of scientific research. To examine examples of scientific research. To examine examples of scientific research. To examine examples of scientific research. To examine examples of scientific research. To examine examples of scientific research. Credit of the Course collection methods using s PowerPoint presentation. To examine examples of scientific research. To explain the characteristics, phases, advantages and disadvantages of interview	0	16.00	16.00 0.00 20.00 120.00 4.00
Midterr Others Final E Total V Total w ECTS	To examine examples of scientific research. To examine examples of scientific research. To examine examples of scientific research. To examine examples of scientific research. To examine examples of scientific research. To examine examples of scientific research. Credit of the Course collection methods using s PowerPoint presentation. To examine examples of scientific research. To explain the characteristics, phases, advantages and disadvantages of interview as a data collection method using s	0	16.00	16.00 0.00 20.00 120.00 4.00
Midterr Others Final E Total V Total w ECTS	To examine examples of scientific research. To examine examples of scientific research. To examine examples of scientific research. To examine examples of scientific research. To examine examples of scientific research. To examine examples of scientific research. To examine examples of scientific research. To examine examples of scientific research. To examine examples of scientific research. To explain the characteristics, phases, advantages and disadvantages of interview as a data collection method using s PowerPoint presentation.	0	16.00	16.00 0.00 20.00 120.00 4.00
Midterr Others Final E Total V Total w ECTS	To examine examples of scientific research. To examine examples of scientific research. To examine examples of scientific research. To examine examples of scientific research. To examine examples of scientific research. To examine examples of scientific research. To examine examples of scientific research. To examine examples of scientific research. To explain the characteristics, phases, advantages and disadvantages of interview as a data collection method using s PowerPoint presentation. To examine examples of scientific research. To examine examples of scientific research. To examine examples of scientific research. To explain the methods of focus group	0	16.00	16.00 0.00 20.00 120.00 4.00
Midterr Others Final E Total V Total w ECTS	To examine examples of scientific research. To examine examples of scientific research. To examine examples of scientific research. To examine examples of scientific research. To examine examples of scientific research. Credit of the Course collection methods using s PowerPoint presentation. To examine examples of scientific research. To explain the characteristics, phases, advantages and disadvantages of interview as a data collection method using s PowerPoint presentation. To examine examples of scientific research. To examine examples of scientific research. To examine examples of scientific research. To explain the methods of focus group interviews, case studies, and action research	0	16.00	16.00 0.00 20.00 120.00 4.00
Midterr Others Final E Total V Total w ECTS	To examine examples of scientific research. To examine examples of scientific research. To examine examples of scientific research. To examine examples of scientific research. To examine examples of scientific research. To examine examples of scientific research. To examine examples of scientific research. To examine examples of scientific research. To explain the characteristics, phases, advantages and disadvantages of interview as a data collection method using s PowerPoint presentation. To examine examples of scientific research. To examine examples of scientific research. To explain the methods of focus group interviews, case studies, and action research using examples.	0	16.00	16.00 0.00 20.00 120.00 4.00
Midterr Others Final E Total V Total w ECTS	To examine examples of scientific research. To examine examples of scientific research. To examine examples of scientific research. To examine examples of scientific research. To examine examples of scientific research. Credit of the Course collection methods using s PowerPoint presentation. To examine examples of scientific research. To explain the characteristics, phases, advantages and disadvantages of interview as a data collection method using s PowerPoint presentation. To examine examples of scientific research. To examine examples of scientific research. To examine examples of scientific research. To explain the methods of focus group interviews, case studies, and action research	0	16.00	16.00 0.00 20.00 120.00 4.00

Total Measu Course	rement and Evaluation Techniques Us		100.00					
Succes	oution of Term (Year) Learning Activitients Grade oution of Final Exam to Success Grade		40.00 60.00					
Total	aution of Torm (Voor) Loggists Activities	2	100.00					
Final E	xam	1	60.00					
Home work-project 0			0.00					
Quiz		0	0.00					
Midterm Exam 1			40.00					
TERM L	Assesment EARNING ACTIVITIES	NUMBE R	WEIGHT					
22	To explain the concept of ethics, the ethic and the ethical issues concerning participants using examples. Textbooks, References and/or Other Materials:	research	BALCI, Ali, Sosyal Bilimlerde Araştırma Yöntem, Teknik ve İlkeler, Pegem A Yayıncılık, Ankara, 2007. BÜYÜKÖZTÜRK, Şener, Ebru Kılıç Çakmak, Funda Demirel, Özcan Erkan Akgün, Şirin Karadeniz, Bilimsel Araştırma Yöntemleri, Pegem A Yayıncılık, Ankara, 2010. YILDIRIM, Ali, Hasan Şimşek, Sosyal Bilimlerde Nitel Araştırma Yöntemleri, Seçkin Yayıncılık, Ankara, 2005. Ünalan, H. Turgay, Müge Gültekin, S. Esin Erol, Türkiye Kaynaklı Sanat Eğitiminde Makale Bibliyografyası, Maya Akademi Yayınları, 2011, Ankara. Gay, L. R., Geoffrey E. Mills, Peter Airasian, Educational Research, Pearson Merrill Prentice Hall, Ohia, 2006. DAY, Robert, A., Bilimsel Bir Makale Nasıl Yazılır ve Yayımlanır?, Tübitak Yayınları, Ankara, 1996. GÜLBAHAR; Kural, Muzaffer Üstdal, Bilimsel Araştırma (Nasıl Yapılır Nasıl Yazılır), Beta Yayınevi, İstanbul, 1997. KARASAR, Niyazi, Bilimsel Araştırma ve E-Kaynaklar, Ekin Basım Yayın, Bursa, 2012. AKIN, Galip, Bilimsel Araştırma ve Yazım Teknikleri, Tiydem Yayıncılık, Ankara, 2009. CEBECİ, Suat, Bilimsel Araştırma ve Yazım Teknikleri, Alfa Basım Yayın, İstanbul, 2010. ŞENCAN, Hüner, Sosyal ve Davranışsal Bilimlerde Bilimsel Araştırma, Seçkin Yayıncılık, Ankara, 2007. YÜKSEL, Atila, Burak Mil, Yasin Bilim, Nitel Araştırma					
13	To discuss the 'Summary, Conclusion Suggestions' part of the research prowith a PowerPoint presentation. To examine examples of scientific research of the control of the	search						
12	To discuss the topics such as result to presentation and interpretation of resultich are involved in the "Findings and Discussion" part of the research proca PowerPoint presentation. To examine examples of scientific results.	ults, nd ess with search.						

25	CONTRIBUTION OF LEARNING OUTCOMES TO PROGRAMME QUALIFICATIONS															
	PQ1	PQ2	PQ3	PQ4	PQ5	PQ6	PQ7	PQ8	PQ9	PQ1 0	PQ11	PQ12	PQ1 3	PQ14	PQ15	PQ16
ÖK1	5	4	1	2	0	0	5	5	0	4	2	0	0	0	0	0
ÖK2	4	5	3	0	0	3	5	5	0	3	3	0	0	0	0	0
ÖK3	4	5	0	0	0	0	5	5	0	3	3	0	0	0	0	0
ÖK4	0	5	0	0	0	3	5	5	0	4	3	0	0	0	0	0
ÖK5	5	5	2	4	0	1	5	5	0	5	5	0	0	0	0	0
ÖK6	4	5	0	5	0	4	5	5	0	5	5	0	0	0	0	0
ÖK7	3	4	0	0	0	3	5	5	0	3	0	0	0	0	0	0
ÖK8	3	4	0	0	0	3	5	5	0	4	3	0	0	0	0	0
ÖK9	2	4	3	3	0	3	5	5	0	4	4	0	0	0	0	0
ÖK10	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
			LO: L	earr	ning C	bjec	tive	s P	Q: P	rogra	m Qu	alifica	tions		•	
Contrib 1 very low 2 ution Level:			2 low		3	Medi	um		4 Higl	n		5 Ver	y High	I		