

SCIENTIFIC RESEARCH METHODS AND RESEARCH ETHICS

1	Course Title:	SCIENTIFIC RESEARCH METHODS AND RESEARCH ETHICS	
2	Course Code:	BIL6101	
3	Type of Course:	Compulsory	
4	Level of Course:	Third Cycle	
5	Year of Study:	1	
6	Semester:	1	
7	ECTS Credits Allocated:	8.00	
8	Theoretical (hour/week):	3.00	
9	Practice (hour/week):	0.00	
10	Laboratory (hour/week):	0	
11	Prerequisites:	No Prerequisites	
12	Language:	Turkish	
13	Mode of Delivery:	Face to face	
14	Course Coordinator:	Prof. Dr. AYSAN ŞENTÜRK	
15	Course Lecturers:		
16	Contact information of the Course Coordinator:	aysan@uludag.edu.tr, 224 2942231, Uludağ Üniversitesi Eğitim Fakültesi, A Blok, BÖTE Bölümü, 16059 Nilüfer,Bursa	
17	Website:		
18	Objective of the Course:	To transfer knowledge and skills about science, research, scientific research topics.	
19	Contribution of the Course to Professional Development:	Methods and techniques of education is to give the students can apply to their fields.	
20	Learning Outcomes:		
		1	To be able to having the knowledge about scientific research types
		2	To be able to having the ability to collect data
		3	o be able to the data to apply the appropriate solution techniques
		4	To be able to creating and testing hypotheses related to these studies to be capable of making.
		5	To be able to having the the knowledge about research ethics and ethics violations
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21	Course Content:		
		Course Content:	
Week	Theoretical	Practice	
1	Science, Research, Scientific Research		
2	Types of Scientific Research		
3	Science and Science Ethics		

4	Concept of Research Ethics, Research Ethics Violations, Basic Principles of Research Ethics	
5	Review of the Council of Higher Education Scientific Research and Publication Ethics Directive	
6	Data Collection Processes and Analysis Methods	
7	Data Collection Processes and Analysis Methods	
8	Data Collection Processes and Analysis Methods	
9	Homework presentation and evaluation	
10	Homework presentation and evaluation	
11	Homework presentation and evaluation	
12	Homework presentation and evaluation	
13	Homework presentation and evaluation	
14	Homework presentation and evaluation	
22	Textbooks, References and/or Other Materials:	<p>Aziz, A. (2013) Sosyal bilimlerde araştırma yöntemleri ve teknikleri 7. bs. Ankara : Nobel Büyüköztürk, Ş. (2010) Sosyal bilimler için veri analizi el kitabı: istatistik, araştırma deseni, SPSS uygulamaları ve yorum. 11 .bsk. Ankara: Pegem Akademi Can, A. (2017) SPSS ile bilimsel araştırma sürecinde veri analizi. 5 .bsk. Ankara: Pegem Akademi Robson, C. (2015) Bilimsel araştırma yöntemleri : gerçek dünya araştırması. (Çev. Ş. Çinkır, N. Demirkasimoğlu)Ankara : Anı Yayıncılık Sönmez, V.ve Alacapınar, F. G. (2016) Örneklendirilmiş bilimsel araştırma yöntemleri / Genişletilmiş 4. baskı. Ankara : Anı Yayıncılık</p>
23	Assesment	
TERM LEARNING ACTIVITIES		NUMBER
Midterm Exam		0
Quiz		0
Home work-project		0
Final Exam		1
Total		1
Contribution of Term (Year) Learning Activities to Success Grade		0.00
Contribution of Final Exam to Success Grade		100.00
Total		100.00
Measurement and Evaluation Techniques Used in the Course		Measurement and evaluation are made with multiple choice test questions and written questions.
24	ECTS / WORK LOAD TABLE	

Activites	Number	Duration (hour)	Total Work Load (hour)
Theoretical	14	3.00	42.00
Practicals/Labs	0	0.00	0.00
Self study and preperation	14	7.00	98.00
Homeworks	10	9.00	90.00
Projects	0	0.00	0.00
Field Studies	0	0.00	0.00
Midterm exams	0	1.00	0.00
Others	0	0.00	0.00
Final Exams	1	12.00	12.00
Total Work Load			242.00
Total work load/ 30 hr			8.07
ECTS Credit of the Course			8.00

25	CONTRIBUTION OF LEARNING OUTCOMES TO PROGRAMME QUALIFICATIONS															
	PQ1	PQ2	PQ3	PQ4	PQ5	PQ6	PQ7	PQ8	PQ9	PQ10	PQ11	PQ12	PQ13	PQ14	PQ15	PQ16
ÖK1	2	3	2	3	2	3	2	4	4	3	4	3	4	4	4	4
ÖK2	3	4	3	4	4	3	3	4	4	4	4	3	3	4	4	3
ÖK3	4	3	4	4	3	3	4	4	3	4	3	3	4	4	3	4
ÖK4	4	2	3	4	3	4	3	4	4	4	3	3	3	4	3	4
ÖK5	3	4	4	3	3	4	3	4	4	4	3	3	4	3	4	2
LO: Learning Objectives PQ: Program Qualifications																
Contribution Level:	1 very low			2 low			3 Medium			4 High			5 Very High			