1	Course Title:	SCIENT ETHICS	CIENTIFIC RESEARCH TECHNIQUES AND RESEARCH							
2	Course Code:	SOS510								
3	Type of Course:	Compuls	inulsory							
4	Level of Course:	Second	<u> </u>							
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:	None								
12	Language:	Turkish								
13	Mode of Delivery:	Face to face								
14	Course Coordinator:	Prof. Dr. Muammer DEMİREL								
15	Course Lecturers:	FIOI. DI. MUAITIMEI DEMIREL								
16	Contact information of the Course	Prof. Dr. Muammer Demirel								
10	Coordinator:	mdemirel@uludag.edu.tr								
17	Website:									
18	Objective of the Course:	This course aims to examine the objective scientific research process (problem determination, data collection, data analysis and interpretation of results), to observe the main scientific research methods (experimental method, description method etc.) and to find the research question (hypothesis), conceptualization, measurement, data collection, data analysis, data evaluation / interpretation and report writing techniques. This will emphasize the concept of ethics and ethical theories, research ethics and publishing ethics, and ethical behavior. The most common violations of research and publications and their methods of prevention are to give information and awareness about what is the way to be followed in case of violation detection.								
19	Contribution of the Course to Professional Development:									
20	Learning Outcomes:									
		1	To understand the scientific research techniques							
		2	To understand and to analyze the ethical aspects of certain situations related to science and technology							
		3	To comprehend ethical theories, scientific research and publication ethics and all aspects of the concept of professional ethics							
		4	To design and conduct a scientific research in accordance with ethical rules							
		5								
		6								
		7								
		8								
		9								
		10								

	Course Content:									
Week	Theoretical		Р	ractice						
1	Scientific research and scientific rese process	arch								
2	Scientific research methods (Qualitat Research)	ive								
3	Scientific research methods (Quantita Research)	ative								
4	Measurement instruments used in sc research	ientific								
5	Data collection and analysis processe	es								
6	Validity and reliability concepts									
7	Identification of research problem and hypothesis	t								
8	The concept of ethics and profession									
9	Ethical theories									
10	The concept and basic principles of rethics	esearch								
11	Unethical behavior and ethical violation during the research process	ons								
12	The concept and basic principles of publication ethics									
13	Unethical behavior and ethics violatic publication process	ns in the								
Activit	es			Number	Duration (hour)	Total Work Load (hour)				
Theore	ifextbooks, References and/or Other		С	r <mark>es</mark> well, J. W. (2014). I	િક્ષે Nicel Araştırm	4ે∂e9eni ve				
Practica	als/Labs			0	0.00	0.00				
Self stu	dy and preperation		Q	ปล่าtitative, Qualitative	, &add Mixed Method	1 \$ 1⁄2 p 0 00aches,				
Homew	vorks			30.00 30.00						
Project	8		A (Altay). TÜBİTAK, Ankara0Karasar, N. (2004)							
Field St	tudies		0 0.00 0.00							
Midtern	n exams		Yontemi: Kavramlar, İlke 20,000 knikler, 15. 1826 100 Nobel							
Others				0	0.00	0.00				
	Kams EADNING ACTIVITIES	NUMBE	10	1 FIGUT	30.00	30.00				
	/ork Load					234.00				
117bidae no	oonExalonand/30 hr	1	20	0.00		7.80				
ECTS (Credit of the Course					8.00				
Home v	vork-project	1	40.00							
Final E	xam	1	40.00							
Total		3	100.00							
	ution of Term (Year) Learning Activitie s Grade	es to	60.00							
	ution of Final Exam to Success Grade	:	40.00							
Total			100.00							
Measur Course	ement and Evaluation Techniques Us	ed in the								
24	ECTS / WORK LOAD TABLE									

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	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
ÖK2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
ÖK3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
ÖK4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
LO: Learning Objectives PQ: Program Qualifications																
Contrib 1 very low ution Level:				2 low		3	Medium		4 High			5 Very High				