SCIENTIFIC RESEARCH TECHNIQUES AND RESEARCH ETHICS

1	Course Title:	SCIENTIFIC RESEARCH TECHNIQUES AND RESEARCH ETHICS
2	Course Code:	TUR5101
3	Type of Course:	Compulsory
4	Level of Course:	Second Cycle
5	Year of Study:	1
6	Semester:	1
7	ECTS Credits Allocated:	6.00
8	Theoretical (hour/week):	3.00
9	Practice (hour/week):	0.00
10	Laboratory (hour/week):	0
11	Prerequisites:	
12	Language:	Turkish
13	Mode of Delivery:	Face to face
14	Course Coordinator:	Dr. Ögr. Üyesi HATİCE YURTSEVEN YILMAZ
15	Course Lecturers:	
16	Contact information of the Course Coordinator:	hyurtseven@uludag.edu.tr
17	Website:	
18	Objective of the Course:	To know scientific research methods and research types.
19	Contribution of the Course to Professional Development:	In this course, students learn to use research methods used in scientific studies.
20	Learning Outcomes:	

	1	Knows the ethical rules that must be followed while preparing a scientific study.
	2	Explain the stages of the research.
	3	Knows quantitative and qualitative research designs.
	4	To report on a subject researched.
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21	Course Content:

Course Content:

Week	Theoretical	Practice
1	Basics of scientific research; classification of research. Ethical rules.	
2	General characteristics of quantitative and qualitative research	
3	Defining the problem	
4	Literature review	
5	Research ethics, citation styles	

6	Research question and hypothesis preparation	
7	Sampling methods; preparing a thesis proposal	
8	Measuring; validity, reliability item analysis	
9	Survey and item analysis; observation and interview	
10	Field scanning and correlation studies; examples	
11	Causal and experimental research; examples	
12	Content analysis and case studies; examples	
13	Action research; examples	
14	Reporting; submitting a thesis proposal	

22	Textbooks, References and/or Other Materials:	Büyüköztürk, Ş. (2010) Sosyal bilimler için veri analizi el kitabı: istatistik, araştırma deseni, SPSS uygulamaları ve yorum. Ankara: Pegem Akademi Büyüköztürk, Ş., Kılıç-Çakmak, E., Akgün, Ö., Karadeniz, Ş., & Demirel, F. (2017). Bilimsel araştırma yöntemleri. Ankara: Pegem Akademi Creswell, J. W. (2019). Eğitim araştırmaları: Nicel ve nitel araştırmanın planlanması, yürütülmesi ve değerlendirilmesi. İstanbul: Edam. Sönmez, V., ve Alacapınar, F. G. (2016). Örneklendirilmiş bilimsel araştırma yöntemleri. Ankara : Anı Yayıncılık
23	Assesment	

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	10	5.00	50.00
Homeworks	5	12.00	60.00
Projects	0	0.00	0.00
Field Studies	0	0.00	0.00
Midterm exams	1	12.00	12.00
Others	0	0.00	0.00
Final Exams	1	16.00	16.00
Total Work Load			180.00

Quiz	0	0.00
Final Exam	1	60.00
Contribution of Term (Year) Learning Activities to		40.00
Contribution of Final Exam to Success Grade		60.00
Measurement and Evaluation Techniques Used in the		Descriptive and formative assessment approaches are

24	**ECTS / WORK LOAD TABLE**	
Total work load/ 30 hr		6.00
ECTS Credit of the Course		6.00

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	3	2	3	5	4	4	4	4	5	5	5	5	0	0	0	0
ÖK2	2	1	3	2	4	4	4	5	3	4	5	5	0	0	0	0
ÖK3	2	1	2	3	4	2	2	5	4	5	5	5	0	0	0	0
ÖK4	3	3	4	5	4	3	4	5	4	4	5	5	0	0	0	0

LO: Learning Objectives PQ: Program Qualifications

Contribution Level:	1 very low	2 low	3 Medium	4 High	5 Very High