

RESEARCH METHODS AND TECHNIQUES

1	Course Title:	RESEARCH METHODS AND TECHNIQUES
2	Course Code:	OSPS015
3	Type of Course:	Optional
4	Level of Course:	Short Cycle
5	Year of Study:	2
6	Semester:	4
7	ECTS Credits Allocated:	3.00
8	Theoretical (hour/week):	2.00
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:	Öğr. Gör. Dr. YILMAZ DORUK
15	Course Lecturers:	Meslek Yüksekokulları Yönetim Kurullarının görevlendirdiği öğretim elemanları.
16	Contact information of the Course Coordinator:	Dr.Yılmaz DORUK (yzdoruk@uludag.edu.tr 2242942374,U.Ü.Teknik Bil.M.Y.O. Bursa)
17	Website:	
18	Objective of the Course:	To teach to students a basic level research and presentation techniques
19	Contribution of the Course to Professional Development:	To provide students with knowledge and skills about research techniques that they can use in their professional lives
20	Learning Outcomes:	
	1	Research methods and techniques to learn.
	2	Technique to select appropriate research topics
	3	Research techniques to make appropriate resource
	4	To evaluate the technique in accordance with the results of the research
	5	Conversion technique in accordance with the results of the research report
	6	Presentation methods and techniques to learn
	7	Proper technique, to make preparation for presentation
	8	Proper technique, present research results.
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	10	
21	Course Content:	
	Course Content:	
Week	Theoretical	Practice

1	Selected research topics Basic concepts in the study a. Information b. Science c. Research d. Scientific method i. Stages of the scientific method e. Scientific research f. Types of scientific research g. Basic research h. Applied research.			
2	1. Necessity and importance of the research 2. Subject of study (problem) a. Factors affecting the choice of research topic b. Variables and variable types 3. Problem statement a. Problem sentence should have qualifications b. Sub-problems 5. Related resources (Literature) 6. The answer to research problem (hypothesis) 7. Objective and description 8. Importance 9. Research is based on foundations (assumptions) 10. Limitations 11. Definitions			
3	MAKING RESOURCE SURVEY 1. Research method 2. Population and sampling a. Sampling methods 3. Data collection a. The methods used to collect the data i. Observation ii. Interview iii. Letters (questionnaires, tests) iv. Test v. Document scanning			
4	EVALUATION OF RESEARCH RESULTS 1. Evaluation Result a. Data classification b. Frequencies of data and work order c. Data			
Activites		Number	Duration (hour)	Total Work Load (hour)
Theoretical		14	2.00	28.00
5	RESEARCH RESULTS REPORT			
Practicals/Labs		0	0.00	0.00
Self study and preparation	report 2. Rules of writing research a. To use the language features b. Research report	0	0.00	0.00
Homeworks		1	8.00	8.00
Projects	Figures and tables writing f. Writing footnotes and bibliography	5	8.00	40.00
Field Studies		0	0.00	0.00
Midterm exams	exam 2. Repeating planning methods 2. The aim of the	1	8.00	8.00
Others		0	0.00	0.00
Final Exams	exam 3. Technology to support 4. Physical and	1	8.00	8.00
Total Work Load				92.00
Total work load 30 hrs				3.07
ECTS Credit of the Course				3.00
7	PRESENTATION 1. After answering questions in a specific detection method 2. Powerpoint slides in the writing of 3. Selection of audio-visual material			
8	Repeating courses and midterm exam			
9	Presentation room control server itself to prepare as the realization of an effective presentation			
10	-Summarization and feedback techniques -Presentation in terms of audience rating -Made presentations / don'ts			
11	Student groups report and evaluation of research reports prepared by			

12	Student groups report and evaluation of research reports prepared by	
13	Student groups report and evaluation of research reports prepared by	
14	Student groups report and evaluation of research reports prepared by	

22	Textbooks, References and/or Other Materials:	<p>1. Karasar N (2002). Bilimsel Araştırma Yöntemi, Kavramlar, İlkeler, Teknikler. 11.bs, Ankara: Nobel Yayın Dağıtım.</p> <p>2. Arseven AD (2001). Alan Araştırma Yöntemi, İlkeler, Teknikler, Örnekler. 2.bs. Ankara: Gündüz Eğitim ve Yayıncılık.</p> <p>3. Balcı A (2004). Sosyal Bilimlerde Araştırma Yöntem, Teknik ve İlkeler. 4.bs. Ankara: Pegem Yayıncılık.</p> <p>4. Tezcan S (1992). Epidemiyoloji Tıbbi Araştırmaların Yöntem Bilimi. Hacettepe Halk Sağlığı Vakfı Yayın No: 92/1. Ankara: Üçbilek Matbaası.</p> <p>n Aksakoğlu G (2006). Sağlıkta Araştırma ve Çözümleme. 2. bs. İzmir: Dokuz Eylül Üniversitesi Rektörlük Basımevi.</p> <p>n Arseven AD (2001). Alan Araştırma Yöntemi, İlkeler, Teknikler, Örnekler. 2. Bs. Ankara. Gündüz Eğitim ve Yayıncılık.</p> <p>n Bailey K (1987). Methods of Social Research. 3rd edition. New York: The Free Press. London Collier Macmillan Publishers.</p> <p>n Balcı A (2004). Sosyal Bilimlerde Araştırma Yöntem, Teknik ve İlkeler. 4. bs. Ankara: Pegem Yayıncılık.</p> <p>n Karasar N (2002). Bilimsel Araştırma Yöntemi, Kavramlar, İlkeler, Teknikler. 11. bs. Ankara: Nobel Yayın Dağıtım.</p>
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23	Assesment
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TERM LEARNING ACTIVITIES	NUMBER	WEIGHT
Midterm Exam	1	40.00
Quiz	0	0.00
Home work-project	0	0.00
Final Exam	1	60.00
Total	2	100.00
Contribution of Term (Year) Learning Activities to Success Grade		40.00
Contribution of Final Exam to Success Grade		60.00
Total		100.00
Measurement and Evaluation Techniques Used in the Course	Measurement and evaluation is carried out according to the principles of Bursa uludag University Associate and Undergraduate Education Regulation.	

24	ECTS / WORK LOAD TABLE
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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	0	0	0	0	2	2	3	0	0	0	0	0	0
ÖK2	2	1	2	0	0	0	0	1	2	4	0	0	0	0	0	0
ÖK3	4	3	4	0	0	0	0	2	2	4	0	0	0	0	0	0

ÖK4	2	1	2	0	0	0	0	1	2	3	0	0	0	0	0	0
ÖK5	3	1	3	0	0	0	0	1	2	4	0	0	0	0	0	0
ÖK6	2	1	2	0	0	0	0	3	4	4	0	0	0	0	0	0
ÖK7	4	1	1	0	0	0	0	4	4	4	0	0	0	0	0	0
ÖK8	5	3	4	0	0	0	0	2	3	5	0	0	0	0	0	0
LO: Learning Objectives PQ: Program Qualifications																
Contribution Level:	1 very low			2 low			3 Medium			4 High			5 Very High			