

RESEARCH METHODS AND TECHNIQUES

1	Course Title:	RESEARCH METHODS AND TECHNIQUES	
2	Course Code:	OTPS006	
3	Type of Course:	Optional	
4	Level of Course:	Short Cycle	
5	Year of Study:	2	
6	Semester:	3	
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:	Prof. Dr. Rıdvan Arslan	
16	Contact information of the Course Coordinator:	Prof. Dr. Rıdvan Arslan (ridvan@uludag.edu.tr, 2942341)	
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:		
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.
		9	
		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 table and chart show d. Data shown as percentage 2. Results and comments a. Features of the findings b. Conclusions and recommendations	
5	RESEARCH RESULTS REPORT transforming into 1. Sections of research report 2. Rules of writing research a. To use the language features b. Paper layout c. Cover layout d. Title and paragraph writing e. Figures and tables writing f. Writing footnotes and bibliography	
6	PREPARE PRESENTATION 1. Preparing planning methods 2. The aim of the presentation, content and organization to focus on 3. The presentation of audio-visual tools / technology to support 4. Physical and technological equipment 5. Audience / participants' definition of 6. Interactive presentation software and proofing action plan	
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	
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14	Student groups report and evaluation of research reports prepared by	

22	Textbooks, References and/or Other Materials:	
23	Assesment	
TERM LEARNING ACTIVITIES		NUMBER
		WEIGHT
Midterm Exam	1	25.00
Quiz	1	15.00
Home work-project	1	10.00
Final Exam	1	50.00
Total	4	100.00
Contribution of Term (Year) Learning Activities to Success Grade		50.00
Contribution of Final Exam to Success Grade		50.00
Total		100.00
Measurement and Evaluation Techniques Used in the Course		

24	ECTS / WORK LOAD TABLE
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Activites	Number	Duration (hour)	Total Work Load (hour)
Theoretical	13	2.00	26.00
Practicals/Labs	0	0.00	0.00
Self study and preperation	0	0.00	0.00
Homeworks	1	8.00	8.00
Projects	5	8.00	40.00
Field Studies	0	0.00	0.00
Midterm exams	1	8.00	8.00
Others	0	0.00	0.00
Final Exams	1	8.00	8.00
Total Work Load			90.00
Total work load/ 30 hr			3.00
ECTS Credit of the Course			3.00

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	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					