

**HOW to PREPARE a SCIENTIFIC RESEARCH PROJECT**

**Syllabus**

<b>Course Description</b>					
<b>Name</b>	<b>Code</b>	<b>Semester</b>	<b>T+A Hour</b>	<b>Credit</b>	<b>ECTS</b>
HOW to PREPARE a SCIENTIFIC RESEARCH PROJECT	OPZY1214014	Spring Semester	2+0	2	6
<b>Prerequisites Courses</b>					
<b>Recommended Elective Courses</b>					
<b>Language of Instruction</b>	Turkish				
<b>Course Level</b>	Second Cycle (Master's Degree)				
<b>Course Type</b>	Elective				
<b>Course Coordinator</b>	Assist.Prof. Serdar ALTUNAY				
<b>Name of Lecturer(s)</b>	Assist.Prof. Serdar ALTUNAY				
<b>Assistant(s)</b>					
<b>Aim</b>	The aim of this course is to provide students with the skills to plan, implement, evaluate and present scientific research and projects. In addition, by providing students with the opportunity to develop their scientific thinking, research and communication skills, it aims to provide them with the basic competences necessary to contribute to the scientific community.				
<b>Course Content</b>	This course contains; Basic concepts used in scientific research,Scientific research process,Types of scientific research,Examples of current scientific research specific to the field of science.,Scientific Projects,Determining the Project Topic,Determining the Research Methods to be Used in the Project,Group Work-Research Project Preparation I,Group Work-Research Project Preparation II,Group Work-Research Project Preparation III,Group Work-Research Project Preparation IV,Group Work-Research Project Preparation V,Group Work-Research Project Preparation VI,Group Work-Research Project Preparation VII.				
<b>Course Learning Outcomes</b>			<b>Teaching Methods</b>	<b>Assessment Methods</b>	
Conducts scientific research			12, 2, 9	F	
Describes the process of publishing scientific research			10, 12, 16, 2, 9	F	
Evaluates the original value of scientific research			10, 14, 16, 9	E, F	
Applies the principles of research and publication ethics.			10, 16, 6, 9	E, F	
Evaluate the risks to be encountered during the execution of scientific projects.			10, 12, 14, 16, 9	E, F	
It determines the national and international institutions and organizations that should be applied to create economic resources for scientific research.			10, 11, 14, 16, 2, 9	E, F	
<b>Teaching Methods</b>	10: Discussion Method, 11: Demonstration Method, 12: Problem Solving Method, 14: Self Study Method, 16: Question - Answer Technique, 2: Project Based Learning Model, 6: Experiential Learning, 9: Lecture Method				
<b>Assessment Methods</b>	E: Homework, F: Project Task				
<b>Lecture Schedule</b>					
<b>Sequence</b>	<b>Topics</b>	<b>Preliminary Preparation</b>			
1	Basic concepts used in scientific research	1, 2			
2	Scientific research process	1, 2			
3	Types of scientific research	1, 2			
4	Examples of current scientific research specific to the field of science.	1, 2			
5	Scientific Projects	1, 2			
6	Determining the Project Topic	1, 2			
7	Determining the Research Methods to be Used in the Project	1, 2			
8	Group Work-Research Project Preparation I	1, 2			
9	Group Work-Research Project Preparation II	1, 2			
10	Group Work-Research Project Preparation III	1, 2			
11	Group Work-Research Project Preparation IV	1, 2			
12	Group Work-Research Project Preparation V	1, 2			
13	Group Work-Research Project Preparation VI	1, 2			
14	Group Work-Research Project Preparation VII	1, 2			
<b>Evaluation Methods</b>		<b>Weight(%)</b>			
Midterm Exam		50			
General Exam		50			

<b>Resources</b>
1. Course presentations.2. Electronic database of scientific articles (PubMed-Medline, Web of Science, Scopus, Google Scholar, Cochrane E-Library)