

Course Description					
Name	Code	Semester	T+A Hour	Credit	ECTS
SCIENTIFIC RESEARCH and LITERATURE REVIEW	PHA1113075	Fall Semester	2+0	2	2
<b>Prerequisites Courses</b>					
<b>Recommended Elective Courses</b>					
<b>Language of Instruction</b>	English				
<b>Course Level</b>	First Cycle (Bachelor's Degree)				
<b>Course Type</b>	Required				
<b>Course Coordinator</b>	Assist.Prof. İpek EROĞLU				
<b>Name of Lecturer(s)</b>	Assist.Prof. İpek EROĞLU				
<b>Assistant(s)</b>					
<b>Aim</b>	The aim of this course is to examine scientific resources and prepare report.				
<b>Course Content</b>	This course contains; Introduction to literature review and the role of literature review in scientific research ,Literature sources and how to find them ,Analyzing research article-1 ,Citation,Analyzing research article-2 ,Article types ,Reference management and reference management software,Preparing figures, tables, and schemes ,Writing class report-1 ,Analyzing class report ,Academic communication ,Academic communication-practice ,Writing class report-2,Writing class report-3.				
<b>Course Learning Outcomes</b>			<b>Teaching Methods</b>	<b>Assessment Methods</b>	
1. Will be able to explain the scientific research process			14, 16, 19, 5, 6, 9	C, E	
1.1. Explains the concept of science			14, 16, 19, 5, 6, 9	C, E	
1.2. Defines the use of data in scientific research			14, 16, 19, 5, 6, 9	C, E	
1.3. Explain the concepts of plagiarism and academic ethics in the use of scientific data			14, 16, 19, 5, 6, 9	C, E	
2. Will be able to find scientific sources.			14, 16, 19, 5, 6, 9	C, E	
2.1. Distinguish between physical and online resources			14, 16, 19, 5, 9	C, E	
2.2. Checks whether the information is scientific or not.			14, 16, 19, 5, 6, 9	C, E	
2.3. Knows which databases to use to access information			14, 16, 19, 5, 6, 9	C, E	
2.4. Access to resources on a specific topic			14, 16, 19, 5, 6, 9	C, E	
3. Will be able to report by using scientific resources as necessary in the light of scientific principles.			14, 16, 19, 5, 6, 9	C, E	
3.1. Knows the importance of reference in the preparation of scientific reports.			14, 16, 19, 5, 6, 9	C, E	
3.2. Uses referencing software.			14, 16, 19, 5, 6, 9	C, E	
3.3. Prepares charts and graphs in the report preparation process.			14, 16, 19, 5, 6, 9	C, E	
3.4. Shows ethical behavior in the reporting process.			14, 16, 19, 5, 6, 9	C, E	
<b>Teaching Methods</b>	14: Self Study Method, 16: Question - Answer Technique, 19: Brainstorming Technique, 5: Cooperative Learning, 6: Experiential Learning, 9: Lecture Method				
<b>Assessment Methods</b>	C: Multiple-Choice Exam, E: Homework				
<b>Lecture Schedule</b>					
<b>Sequence</b>	<b>Topics</b>	<b>Preliminary Preparation</b>			
1	Introduction to literature review and the role of literature review in scientific research				
2	Literature sources and how to find them				
3	Analyzing research article-1				
4	Citation				
5	Analyzing research article-2				
6	Article types				
7	Reference management and reference management software				
8	Preparing figures, tables, and schemes				
9	Writing class report-1				
10	Analyzing class report				
11	Academic communication				
12	Academic communication-practice				
13	Writing class report-2				
14	Writing class report-3				
<b>Evaluation Methods</b>		<b>Weight(%)</b>			
Midterm Exam		40			
General Exam		60			

**Resources**

The class notes will be shared with the students.