



## AYDIN ADNAN MENDERES UNIVERSITY COURSE INFORMATION FORM

Course Title		Scientific Research and Publication Ethics							
Course Code		BYK635		Course Level		Third Cycle (Doctorate Degree)			
ECTS Credit	2	Workload	50 (Hours)	Theory	2	Practice	0	Laboratory	0
Objectives of the Course		The aim of this course is to teach the scientific research ethics and professional ethics by giving scientific research methods and science philosophy.							
Course Content		To have knowledge about research and publication ethics.							
Work Placement		N/A							
Planned Learning Activities and Teaching Methods				Explanation (Presentation), Discussion, Case Study					
Name of Lecturer(s)									

### Assessment Methods and Criteria

Method	Quantity	Percentage (%)
Midterm Examination	1	40
Final Examination	1	60

### Recommended or Required Reading

1	Scientific Research Methods and Publication Ethics: Prof. Dr. Dursun Kırbaş , Dr. Filiz Ekim Çevik
2	How to Write and Publish a Scientific Article?, Day, R. A.

Week	Weekly Detailed Course Contents	
1	Theoretical	Scientific Research Methods and Philosophy of Science
2	Theoretical	Conceptual Framework of Research, Research Design, Research Population and Sampling
3	Theoretical	Sampling Methods
4	Theoretical	Data Collection Techniques. Data Processing Preparation
5	Theoretical	Basic Statistical Measures and Types of Analysis, Quantitative Data Analysis
6	Theoretical	Collection and processing of statistical data
7	Theoretical	Qualitative Research Patterns and Qualitative Data Analysis
8	Intermediate Exam	Scientific Research and Publication Ethics Midterm Exam
9	Theoretical	Research Report Preparation and Ethics
10	Theoretical	Research Technical Competencies, Scientific Attitudes and Behaviors, Scientific Research Ethics
11	Theoretical	Ethics of Scientific Research
12	Theoretical	To have sufficient equipment for research, not to deviate from scientific accuracy, not to benefit from material interest, to be open to criticism
13	Theoretical	Academic Ethics, Ethics Education in Training Scientists
14	Theoretical	Unethical Behavior in Science, Scientific Neglect, Scientific Distortion
15	Theoretical	Ethical Rules for Citation, Ethical Rules for Author Names
16	Final Exam	Scientific Research and Publication Ethics Final Exam

### Workload Calculation

Activity	Quantity	Preparation	Duration	Total Workload
Lecture - Theory	14	0.5	2	35
Assignment	1	13	2	15
Total Workload (Hours)				50
[Total Workload (Hours) / 25*] = ECTS				2

\*25 hour workload is accepted as 1 ECTS

### Learning Outcomes

1	To gain the ability to tell theoretical courses
2	To learn scientific research and conceptual framework of research
3	To have knowledge about quantitative and qualitative data analysis methods



4	To have detailed information about research and publication ethics
5	To learn the important rules of ethics education in educating scientists

**Programme Outcomes (Biochemistry (Medical) Doctorate)**

1	To have basic theoretical knowledge about biochemistry and to help understanding biochemistry
2	To have the basic laboratory knowledge, apparatus and methods used in biochemistry
3	Analysis: To be able to analyze information critically
4	Synthesis: To be able to synthesize and adapt the knowledge in the field from different directions
5	Evaluation: To critically evaluate research in the field

**Contribution of Learning Outcomes to Programme Outcomes** 1:Very Low, 2:Low, 3:Medium, 4:High, 5:Very High

	L1	L2	L3	L4	L5
P1	5	5	5	5	5
P2	4	5	4	5	5
P3	5	4	4	4	5
P4	4	5	5	5	4
P5	5	5	5	4	5

