



**AYDIN ADNAN MENDERES UNIVERSITY
GRADUATE SCHOOL OF HEALTH SCIENCES
VETERINARY PHYSIOLOGY
PHYSIOLOGY (VETERINARY)
PHYSIOLOGY (VETERINARY) MASTER
COURSE INFORMATION FORM**

Course Title	Scientific Research and Publication Ethics								
Course Code	VFZ539		Course Level		Second Cycle (Master's Degree)				
ECTS Credit	2	Workload	50 (Hours)	Theory	2	Practice	0	Laboratory	0
Objectives of the Course	To learn ethical rules about scientific researches and their publishing and to adopt these principles in their studies.								
Course Content	Within the ethical rules; how is scientific work planned and conducted and how are the results assessed and transformed into publication								
Work Placement	N/A								
Planned Learning Activities and Teaching Methods	Explanation (Presentation), Discussion, Case Study, Project Based Study								
Name of Lecturer(s)	Prof. Ferda BELGE								

Assessment Methods and Criteria

Method	Quantity	Percentage (%)
Midterm Examination	1	38
Final Examination	1	60
Quiz	2	1
Term Assignment	1	1

Recommended or Required Reading

1	Scientific Researchs and E-References
2	Scientific Research: Design, Writing and Publishing Techniques
3	Animals, Ethics and Trade The Challenge of Animal Sentience Eds; Jacky Turner and Joyce D'Silva, Earthscan, 2006, London ISBN: 978-1-84407-255-2
4	Handbook of Laboratory Animal Science, Second Edition Volume II, AnimalModels. Eds; Jann Hau; Gerald L. Van Hoosier, Jr. CRC Press, 2003, ISBN: 084931086-5

Week Weekly Detailed Course Contents

1	Theoretical	What is the ethics of scientific research, why is it necessary?
2	Theoretical	General ethical principles for scientific research and publication
3	Theoretical	Experimental Models
4	Theoretical	Animal rights and general ethical rules in animal experiments
5	Theoretical	Research Ethic Violations
6	Theoretical	The planning of research and the determination of sample size and sample selection in animal experiments
7	Theoretical	Data analysis
8	Theoretical	Midterm
9	Theoretical	Reporting and Publishing
10	Theoretical	Ownership of Idea and Scientific Finds (Patent)
11	Theoretical	Types of Scientific Publication
12	Theoretical	Referencing (Citing)
13	Theoretical	Violations of Publication Ethic, Scientific Misconducts
14	Theoretical	Sided Publication, Editorial Ethics
15	Theoretical	Preparing of Information and Ethics Committee Application Form

Workload Calculation

Activity	Quantity	Preparation	Duration	Total Workload
Lecture - Theory	14	0	2	28
Term Project	1	7	1	8
Quiz	2	1	0	2
Midterm Examination	1	4	1	5



Final Examination	1	6	1	7
	Total Workload (Hours)			50
	[Total Workload (Hours) / 25*] = ECTS			2
*25 hour workload is accepted as 1 ECTS				

Learning Outcomes

1	To learn the history of ethical rules and national and international functioning in scientific research
2	Learning animal rights and ethical rules about animal experiments and acquiring proficiency in applying them
3	Evaluation of research data and learning of ethical principles in publishing process
4	To learn how to apply to ethical committees for scientific research
5	To have knowledge about the violations of research and publication ethics

Programme Outcomes (Physiology (Veterinary) Master)

1	Understands and defines the interdisciplinary interaction with the associated fields
2	Uses theoretical and practical information learned in the education
3	Creates solution proposals by using background education
4	Combines and interprets the information from different disciplines, and creates solution proposals and scientific information to contribute the solution process, when needed
5	Involves in professional organizations and institutions related with the educational background
6	Takes responsibility for individual and group work, and do the assignments in line with the skills
7	Communicates with the professionals out of the field when it is necessary, and contributes to the solution as a team member
8	Understands the production and publishing methods of scientific information
9	Determines the source and the type of information that is needed related with the field and chooses the activities that s/he wants to participate, by using his/her critical thinking abilities that is developed in the education
10	Excels technological devices both for professional and social purposes
11	Compiles any kind of data related with the field (field observations, produced scientific information etc.) and analyzes and interprets the results according to the aims of the research
12	Determines the environmental health rules and applies them for prevention
13	Applies the knowledge gained in professional level with the awareness of the needs of the region and the country, and develops a defense capability
14	Conceptualizes the phenomena and the events related with the field, studies scientific methods and techniques, interprets results; analyzes and hypothesizes methods in accordance with the results and designs solution or treatment alternatives addressing the problems
15	Follows up the updates of information in the field by using all kinds of sources (scientific information, legislations etc.), and uses when needed

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	4	4	4	4	4
P2	5	5	5	5	5
P3	5	5	5	5	5
P4	5	5	5	5	5
P5	3	3	3	3	3
P6	2	2	2	2	2
P7	4	4	4	4	4
P8	5	5	5	5	5
P9	5	5	5	5	5
P10	2	2	2	2	2
P11	5	5	5	5	5
P12	1	1	1	1	1
P13	2	2	2	2	2
P14	2	2	2	2	2
P15	5	5	5	5	5

