



## AYDIN ADNAN MENDERES UNIVERSITY COURSE INFORMATION FORM

Course Title		Scientific Research and Publication Ethics							
Course Code		VHE669		Course Level		Third Cycle (Doctorate Degree)			
ECTS Credit	2	Workload	50 (Hours)	Theory	2	Practice	0	Laboratory	0
Objectives of the Course		The objective of this course is to give information about research and ethics in publishing							
Course Content		The purpose of this course is to introduce the ethical issues to be faced in their professional life and the necessary rules to adhere to, to the young who are candidates for a higher level by making scientific and technical researches. The old and new theories of ethics will be introduced and ethical principles of academia profession will be discussed in the dynamic nature of health science. The methodology to be used is the discussion of the many samples of problems faced in academical life and scientific researches in proffesion, with the students							
Work Placement		N/A							
Planned Learning Activities and Teaching Methods				Explanation (Presentation), Demonstration, Discussion, Case Study					
Name of Lecturer(s)		Lec. Göksele DOĞAN, Prof. Levent KARAGENÇ							

### Assessment Methods and Criteria

Method	Quantity	Percentage (%)
Midterm Examination	1	10
Final Examination	1	70
Assignment	1	20

### Recommended or Required Reading

1	Michael Davis, Ethics in the University, 1999. Routledge
2	Day, R.A., Bilimsel Makale Nasıl yazılır ve yayımlanır Çev. Gülay Aşkar Altay, TÜBİTAK Bilgi kitapları dizisi, 1996, Ankara

Week	Weekly Detailed Course Contents	
1	Theoretical	Scientific and technical research; introduction and general issues
2	Theoretical	Ethics, moral theories and philosophical approaches I
3	Theoretical	Ethics, moral theories and philosophical approaches I
4	Theoretical	Research profession
5	Theoretical	The responsibilities of the researcher / Document Control
6	Theoretical	Responsibilities of Researcher
7	Theoretical	Research stages
8	Theoretical & Practice	Repetition of subjects and Midterm exam
9	Theoretical	What is and how to do a research
10	Theoretical	How and why a research is published
11	Theoretical	Using a laboratory, data storage and evaluation of ethics
12	Theoretical	Teamwork and joint publication
13	Theoretical	Arbitration and report evaluation
14	Theoretical	Evaluation of research results, Discussion
15	Final Exam	Final exam

### Workload Calculation

Activity	Quantity	Preparation	Duration	Total Workload
Lecture - Theory	13	0	2	26
Assignment	1	0	2	2
Individual Work	14	0	0.5	7
Midterm Examination	1	3	1	4



Final Examination	1	3	8	11
Total Workload (Hours)				50
[Total Workload (Hours) / 25*] = ECTS				2
*25 hour workload is accepted as 1 ECTS				

### Learning Outcomes

1	Basic principals of ethics,
2	Evaluation of Current problems of research ethics
3	Evaluation of Legal and ethical regulations of scientific researchs
4	Methods of Ethical problem solving
5	Assimilation of ethical rules

### Programme Outcomes (Histology and Embryology (Veterinary Medicine) Doctorate)

1	Gains expert knowledge on the function and basic histological features of cells, tissues and systems in animals.
2	Gains expert knowledge on the stages of embryonal and fetal development in both mammals and birds.
3	Based on his/her training during the Master of Science program, he/she has in depth knowledge in the field of histology/embryology as well as in areas related to his/her area of expertise.
4	Using basic knowledge gained during the undergraduate and master of science program, develops ,critically evaluates and tests novel ideas in his/her area of expertise.
5	Endowed with theoretical and practical knowledge as for the scientific research and methodology to be able to conduct an independent research project.
6	Has theoretical knowledge concerning skills (leadership, entrepreneurship, ability to reach information technologies, organization, industrial correspondence etc.). Knows laws and regulations concerning his/her area of expertise and related subjects.
7	Determines and uses laboratory equipment and consumables in a histology laboratory. Has the ability to solve problems in his/her area of expertise.
8	Has the ability to design and develop scientific methodology concerning new developments in his/her area of expertise. Has the ability to put established methods in use to tackle current problems in his/her area of expertise.
9	Designs and conducts an independent research project on his/her own.
10	Critically evaluates and reaches to a synthesis of new ideas in his/her area of expertise and related fields.
11	Uses and develops modern technologies in his/her area of expertise towards the industry in a systematic and critical manner.
12	Performs his/her expertise with the recognition of the rights and responsibilities obtained with the completion of doctorate program in histology/embryology.
13	Is able to break down new and immature ideas into simple components and suggest alternative solutions by using his/her ability to recognize possible relationships among these components.
14	If the need arises, designs an interdisciplinary research project , forms a team, leads and finalizes the research project to solve an old or a new problem in the field of histology/embryology.
15	Attends to activities such as congresses, panels, symposiums, workshops, seminars, journal clubs in his/her area of expertise, shares information in his/her area of expertise and contributes to the solution of a problem by interacting with experts in other fields.
16	Expands a growing body of information in his/her area of expertise by publishing scientific articles in national and international journals.
17	Is in recognition of taking professional and ethical responsibilities.
18	Develop new ideas and methods that has the potential to ignite social and cultural progress or add values to the information society by using practical and theoretical knowledge gained throughout his/her training and his/her skill to work independently and to take responsibilities.
19	Makes the concept of life-long learning a matter of principle and recognizes the fact that evidence-based information is the most important gain of education.
20	Provides information and manages information exchanges on issues of public and animal health in committees with the aim of defining and solving a problem using his/her expertise.

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

	L1	L2	L3	L4
P1	5	5	5	5
P2	2	2	2	2
P3	4	4	4	4
P4	4	4	4	4
P5	4	4	4	4
P7	5	5	5	5
P8	4	4	4	4



P9	4	4	4	4
P10	4	4	4	4
P11	3	3	3	3
P12	4	4	4	4
P13	4	4	4	4
P14	4	4	4	4
P15	4	4	4	4
P16	4	4	4	4
P17	4	4	4	4
P18	4	4	4	4
P19	4	4	4	4

