



AYDIN ADNAN MENDERES UNIVERSITY COURSE INFORMATION FORM

Course Title		Science Ethics and Research Ethics							
Course Code		EFS155		Course Level		First Cycle (Bachelor's Degree)			
ECTS Credit	3	Workload	75 (Hours)	Theory	2	Practice	0	Laboratory	0
Objectives of the Course		The aim of the course is to enable students to learn scientific research, ethics and ethical theories, research and publication ethics, unethical behaviors and ethical violations in research and publication process and methods to prevent them.							
Course Content		Science, the nature, development and scientific research of science; ethics and ethical theories;research and publication ethics; unethical behaviors and ethical violations in the research process;ethical issues related to authorship and copyright; biased publication, editorial, arbitration and ethics;ethics of publication and unethical behaviors in the publishing process; legislation and committees on research and publication ethics; ways to identify ethical violations; common research, publication ethics violations and methods to prevent them.							
Work Placement		N/A							
Planned Learning Activities and Teaching Methods				Explanation (Presentation), Discussion, Case Study					
Name of Lecturer(s)		Assoc. Prof. Ayşe ELİTOK KESİCİ, Prof. Hilal AKTAMIŞ							

Assessment Methods and Criteria

Method	Quantity	Percentage (%)
Midterm Examination	1	40
Final Examination	1	70

Recommended or Required Reading

1	Aydın, İ. Akademik Etik. Pegem Akademi Yayıncılık
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Week	Weekly Detailed Course Contents	
1	Theoretical	Science, nature, development and scientific research
2	Theoretical	Ethics and ethical theories
3	Theoretical	Research and publication ethics
4	Theoretical	Unethical behavior and ethical violations in the research process
5	Theoretical	Ethical issues related to authorship and copyright
6	Theoretical	Sided publication, editorship, arbitration and ethics
7	Theoretical	Unethical behaviors in publication ethics and publication process
8	Intermediate Exam	Midterm Exam
9	Theoretical	Legislation and committees on research and publication ethics
10	Theoretical	Ways to be identified in determining ethical violations
11	Theoretical	Ways to be identified in determining ethical violations
12	Theoretical	Common research, publication ethics violations and methods to prevent them
13	Theoretical	Common research, publication ethics violations and methods to prevent them
14	Theoretical	Common research, publication ethics violations and methods to prevent them
15	Theoretical	Common research, publication ethics violations and methods to prevent them
16	Final Exam	Final exam

Workload Calculation

Activity	Quantity	Preparation	Duration	Total Workload
Lecture - Theory	14	1	1	28
Term Project	10	1	1	20
Individual Work	10	1	1	20
Midterm Examination	1	2	1	3



Final Examination	1	3	1	4
Total Workload (Hours)				75
[Total Workload (Hours) / 25*] = ECTS				3
*25 hour workload is accepted as 1 ECTS				

Learning Outcomes

1	Student understands the theories of scientific research, ethics and ethics.
2	Students will be able to comprehend ethics of research and publication, unethical behaviors and ethical violations in research and publication process.
3	Student knows ethical issues related to authorship and copyright.
4	The student knows the legislation and boards related to research and publication ethics.
5	The student knows the ways to determine the ethical violations.
6	The student will be able to have knowledge of the common research and publication ethics violations and methods to prevent them.

Programme Outcomes (Science Teacher Education)

1	To be able to gain subject knowledge of profession in theory and practice in the learning process.
2	To be able to gain the competence of using the appropriate approach, strategy, method and technique for the instructional plans to be prepared in the learning process.
3	To be able to gain the skills of the teaching profession in the learning process.
4	To be able to implement teaching profession knowledge, skills, attitudes and habits related to the subject-matter in a real teaching and learning environment in the learning process.
5	To be able to comprehend contemporary approaches of education and the philosophy they are based on.
6	To be able to gain the basic skills such as comprehending, expressing, commenting, evaluating, being aware and enterprising, communicating, acknowledging the individual related to the subject-matter.
7	To be able to become individuals faithful to the Principles and Revolutions of Ataturk, be modern democratic, secular, protecting and deveoping one's country, being alive to the nation, respecting human rights, preserving the nature, not being discriminatory, giving importance to the traditions and customs, protecting the values
8	To be able to improve oneself in terms of sport, art and culture.
9	To be able to become individuals believing in lifelong learning.
10	To be able to gain the vision of being individuals who keep up with developments in social, economic, technological and scientific areas, who investigate the main reasons of World problems and try to contribute to the solutions of these problems.

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

	L1	L2	L3	L4	L5	L6
P1	5	4	5	5	5	5
P2	5	5	5	5	4	5
P3	5	4	5	4	5	4
P4	5	5	4	4	5	4
P5	5	4	5	5	5	5
P6	5	5	5	5	5	5
P7	5	4	4	5	5	5
P8	5	5	4	4	4	4
P9	5	4	5	5	5	5
P10	5	5	5	5	5	5

