



## AYDIN ADNAN MENDERES UNIVERSITY COURSE INFORMATION FORM

Course Title		Scientific Research and Publication Ethics							
Course Code		EEE500		Course Level		Second Cycle (Master's Degree)			
ECTS Credit	7	Workload	175 ( <i>Hours</i> )	Theory	3	Practice	0	Laboratory	0
Objectives of the Course		To gain information, awareness and susceptibility about research and publication ethics, in this context proper work for research and publication ethics							
Course Content		Ethics, scientific and experimental research, project design, legal regulations, plagiarism, referencing.							
Work Placement		N/A							
Planned Learning Activities and Teaching Methods				Explanation (Presentation), Demonstration, Discussion, Case Study, Project Based Study, Individual Study					
Name of Lecturer(s)		Assoc. Prof. Münevver Mine ÖZYETKİN, Lec. Mümtaz YILMAZ							

### Assessment Methods and Criteria

Method	Quantity	Percentage (%)
Final Examination	1	60
Term Assignment	2	40

### Recommended or Required Reading

1	Day, R. A. 2001. Bilimsel Bir Makale Nasıl Yazılır ve Yayınlanır? 7. Basım, Çev: Gülay Aşkar Altay, TÜBİTAK
2	Lecture notes

Week	Weekly Detailed Course Contents	
1	Theoretical	Introduction to ethics description and scientific research methods
2	Theoretical	Theoretical and experimental research methods
3	Theoretical	Gathering and evaluating of data/information from reliable sources in scientific research
4	Theoretical	Ethics and rules in laboratory, surveying, project, site and software studies
5	Theoretical	Privacy and ownership of the data used in scientific studies
6	Theoretical	Scientific project design, project support mechanisms, project management
7	Theoretical	Reporting, dissertation and paper writing techniques
8	Intermediate Exam	Midterm Exam
9	Theoretical	Publication ethics, referencing and citation
10	Theoretical	Plagiarism research
11	Theoretical	Partisan publication (clash of interests), editorial ethics
12	Theoretical	Ethical issues arising from research-industry relations
13	Theoretical	Regulations relating to ethics of YÖK, TÜBİTAK and universities
14	Theoretical	Evaluation and discussion about legal legislation related to research and publication ethics in our country
15	Theoretical	Evaluation and discussion about legal legislation related to research and publication ethics in the world
16	Final Exam	Final Exam

### Workload Calculation

Activity	Quantity	Preparation	Duration	Total Workload
Lecture - Theory	14	7	3	140
Term Project	2	8	1	18
Final Examination	1	16	1	17
Total Workload (Hours)				175
[Total Workload (Hours) / 25*] = ECTS				7
*25 hour workload is accepted as 1 ECTS				

### Learning Outcomes

1	To understand ethics in scientific research
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2	To gain ability to determine improper action of scientific ethics
3	To get knowledge about scientific ethics rules
4	To gain ability to understand scientific research and publication ethics rules
5	To gain ability to conduct a scientific study in accordance with the scientific research methods

**Programme Outcomes** (*Electrical and Electronics Engineering Master*)

1	Developing and intensifying knowledge that requires expertise in the area of Electrical-Electronics Engineering, and gaining the skills necessary to analyze and solve problems using this knowledge
2	Grasping the inter-disciplinary interaction related to Electrical-Electronics Engineering, interpreting and forming new types of knowledge by combining the knowledge from Electrical-Electronics Engineering and the knowledge from various other disciplines
3	Developing new approaches to solve the complex problems arising in Electrical-Electronics Engineering, coming up with solutions while taking responsibility and carrying out a specific study independently
4	Assessing the knowledge and skill gained in the area of Electrical-Electronics Engineering with a critical view
5	Transferring the current developments and one's own work in Electrical-Electronics Engineering, to other groups in written, oral and visual forms
6	The ability to control the collecting, interpreting, practicing and announcing processes of the Electrical-Electronics Engineering related to data taking into consideration scientific, cultural and ethical values and the ability to teach these values to others
7	Developing application plans concerning the subjects related to Electrical-Electronics Engineering and the ability to evaluate the end results of these plans within the frame of quality processes

**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	5	4
P2	4	4	5	5	4
P3	4	4	4	5	5
P4	5	4	5	4	5
P5	5	4	4	4	3
P6	5	4	5	5	5
P7	4	4	4	4	4

