AYDIN ADNAN MENDERES UNIVERSITY
COURSE INFORMATION FORM

Course Title		Scientific Research and Publication Ethics							
Course Code		MCE502		Couse Level		Second Cycle (Master's Degree)			
ECTS Credit	7	Workload	175 *(Hours)*	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)									

Assessment Methods and Criteria		
Method	Quantity	Percentage (%)
Assignment	1	40
Project	1	60

Recommended or Required Reading	
1	Day, R. A. 2001. Bilimsel Bir Makale Nasıl Yazılır ve Yayımlanır? 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	Theoretical	Publication ethics, referencing and citation
9	Theoretical	Plagiarism research
10	Theoretical	Partisan publication (clash of interests), editorial ethics
11	Theoretical	Ethical issues arising from research-industry relations
12	Theoretical	Regulations relating to ethics of YÖK, TÜBİTAK and universities
13	Theoretical	Evaluation and discussion about legal legislation related to research and publication ethics in our country
14	Theoretical	Evaluation and discussion about legal legislation related to research and publication ethics in our country

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
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 *(Civil Engineering Master)*	
1	To be able to develop expertise knowledge in a Civil engineering area founded on their graduate competence.
2	To be able to use the theoretical and practical expertise knowledge gained in their specialty area.
3	To be able to use the information, problem solving and / or practical skills from the field, in interdisciplinary studies.
4	To be able to create new knowledge by integrating their knowledge area with the knowledge coming from different disciplines; and solve problems that need expertise by using scientific research methods
5	To be able to solve the problems related to his/her area by using appropriate research methods
6	To be able to devise a problem in their specialty area, develop a solution methodology, solve the problem, and interpret the results and take action if necessary
7	To be able to criticize the knowledge in their specialty area, guide the learning process, and independently direct high level studies
8	To be able to systematically communicate the recent developments in their specialty area and their own studies to groups both inside and outside their specialty area, orally, in writing and visually
9	To be able to use computer software at a level required by their specialty area with drawing upon information and communication technology at a high level
10	To be able to introduce scientific, technological, social and cultural advancements in the field of civil engineering and to contribute to the process of being an information of the society and to sustain it.
11	To be conscious of professional and ethical responsibility and contribute to the establishment of this consciousness.
12	To be able to protect social, scientific, and ethical values during collection, interpretation, and dissemination stages of the data associated with their specialty area; instruct and supervise these values
13	To be able to use at least one foreign language in a level to follow current developments related to 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	4	5	4	5
P2	4	5	4	5	4
P3	5	4	5	4	5
P4	4	5	4	5	4
P5	5	4	5	5	5
P6	4	5	4	5	4
P7	5	4	5	4	5
P8	4	5	4	5	4
P9	5	4	5	4	5
P10	4	5	4	5	4
P11	5	4	5	4	5
P12	4	5	4	5	4
P13	5	4	5	4	5