



AYDIN ADNAN MENDERES UNIVERSITY COURSE INFORMATION FORM

Course Title		Scientific Research and Publication Ethics							
Course Code		ZTM551		Course Level		Second Cycle (Master's Degree)			
ECTS Credit	8	Workload	200 (<i>Hours</i>)	Theory	3	Practice	0	Laboratory	0
Objectives of the Course		To introduce graduate students to basic concepts related to scientific research methods, to ensure that they have experienced the process of preparing a scientific research proposal, to apply their studies with appropriate research methods and techniques, and to obtain a written report in accordance with scientific writing rules and ethical rules. as their purpose.							
Course Content		To introduce graduate students to the basic concepts of scientific research methods, to enable them to experience the process of preparing a scientific research proposal, to apply their studies with appropriate research methods and techniques, and to obtain a written report in accordance with scientific writing rules and ethical rules. as their purpose.							
Work Placement		N/A							
Planned Learning Activities and Teaching Methods				Explanation (Presentation), Case Study					
Name of Lecturer(s)		Prof. Cengiz ÖZARSLAN							

Assessment Methods and Criteria

Method	Quantity	Percentage (%)
Midterm Examination	1	40
Final Examination	1	60

Recommended or Required Reading

1	Scientific Research and Writing Techniques, Alfa Publications, Istanbul. Day 2, R.A. 1996.
---	--

Week	Weekly Detailed Course Contents	
1	Theoretical	Research methodology
2	Theoretical	Determining the research topic
3	Theoretical	Defining the research problem
4	Theoretical	Scanning resources
5	Theoretical	Writing the hypothesis
6	Theoretical	Determining the research method and model
7	Intermediate Exam	Midterm Exam
8	Theoretical	Data collection and analysis
9	Theoretical	Scientific research writing rules and techniques
10	Theoretical	Interpretation and report writing
11	Theoretical	Principles of scientific publication ethics
12	Theoretical	Ethical standards, legal limitations and software
13	Theoretical	Responsible research publication: international standards for authors
14	Theoretical	Final Exam

Workload Calculation

Activity	Quantity	Preparation	Duration	Total Workload
Lecture - Theory	14	4	3	98
Assignment	6	5	10	90
Midterm Examination	1	3	3	6
Final Examination	1	3	3	6
Total Workload (Hours)				200
[Total Workload (Hours) / 25*] = ECTS				8
*25 hour workload is accepted as 1 ECTS				

Learning Outcomes

1	To be able to explain scientific research and its properties
---	--



2	To be able to prepare scientific research proposal
3	To be able to apply appropriate research methods and techniques
4	To be able to search and cite literature
5	To be able to apply information about ethical standards, software and legal limitations

Programme Outcomes (Agricultural Machinery Master)

1	Identification, formulation and solving the problems in the field of Agricultural Machinery
2	The ability to use modern engineering tools and techniques
3	The ability to use the information, which is obtained by following the scientific and technological developments, in the academic life and practice.
4	The ability to evaluate multi-faced relationship between them by understanding interaction among agricultural technology, soil, plants and animals
5	Professionalism and ethical responsibility
6	The ability to work in disciplinary and multi-disciplinary teams
7	The ability to communicate effectively
8	The ability to do research for accessing information and to use data base and other resources
9	The ability to do analyze and interpret the experimental results and the design of experiment
10	The ability to identify and interpret knowledge of current professional issues and events
11	The ability to get aware the universal and social effects of engineering solutions and applications
12	Accordance with the requirements of science and technology, ability to use scientific knowledge creative

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

	L1	L3
P1	5	4
P2	5	4
P3	5	4
P4	5	4
P5	5	4
P6	4	5
P7	4	5
P8	4	5
P9	4	5
P10	4	5

