



AYDIN ADNAN MENDERES UNIVERSITY COURSE INFORMATION FORM

Course Title		Techniques of Scientific Research and Publication Ethics							
Course Code		KİM503		Course Level		Second Cycle (Master's Degree)			
ECTS Credit	9	Workload	223 (<i>Hours</i>)	Theory	3	Practice	0	Laboratory	0
Objectives of the Course		The aim of the course is to provide the students with knowledge and skills about what science and scientific thought is, how scientific research is done, how a thesis or article is prepared and written, and what scientific publication is.							
Course Content		In this course, all the graduate students are provided with science, science ethics, basic elements of scientific research, types of scientific research, planning and implementation of scientific research. Scientific publication and thesis preparation, scientific publication and presentation techniques are given.							
Work Placement		N/A							
Planned Learning Activities and Teaching Methods				Explanation (Presentation), Demonstration, Discussion, Case Study, Individual Study					
Name of Lecturer(s)		Assoc. Prof. Semiha KUNDAKCI							

Assessment Methods and Criteria

Method	Quantity	Percentage (%)
Midterm Examination	1	20
Final Examination	1	60
Seminar	1	10
Assignment	1	10

Recommended or Required Reading

1	Öğretim Elemanı Ders Notları
2	Bilimsel Makale Nasıl Yazılır, Nasıl Yayınlanır?, 10. basım (2005), Day RA (çeviren: Altay GA), TÜBİTAK Yayınları, Bilgi Dizisi 6, 233 sayfa
3	Tez Yazım Kuralları, Adnan Menderes Üniversitesi, Fen Bilimleri Enstitüsü, AYDIN

Week	Weekly Detailed Course Contents	
1	Theoretical	.
2	Theoretical	.
3	Theoretical	.
4	Theoretical	.
5	Theoretical	.
6	Theoretical	.
7	Theoretical	.
8	Intermediate Exam	.
9	Theoretical	.
10	Theoretical	.
11	Theoretical	.
12	Theoretical	.
13	Theoretical	.
14	Theoretical	.
15	Final Exam	.
16	Final Exam	.

Workload Calculation

Activity	Quantity	Preparation	Duration	Total Workload
Lecture - Theory	14	0	3	42
Assignment	7	14	5	133
Seminar	1	10	1	11



Midterm Examination	1	15	1	16
Final Examination	1	20	1	21
Total Workload (Hours)				223
[Total Workload (Hours) / 25*] = ECTS				9

*25 hour workload is accepted as 1 ECTS

Learning Outcomes

1	To be able to answer the question of what is science and scientific research
2	To be able to prepare an essay, thesis proposal and thesis
3	to answer the question of how a scientific study is done
4	What is scientific publication, how to prepare a thesis or article, to be able to answer questions
5	Examination of the article examples in terms of scientific and ethical aspects

Programme Outcomes (Chemistry Master)

1	To be able to gain proficiency in depths and analysis by statistical methods in the same or a related area depending on the undergraduate competence,.
2	To be able to use the knowledge of his/her field and the skills to solve problems and/or applications in interdisciplinary research.
3	To be able to adopt to evaluate the information and skill his/her field by critical approach.
4	To be able to evaluate the effect of important persons, case and fact on his/her field applications.
5	To be able to gain the ability to discuss write and orally present to a group of literate listener.
6	To be able to communicate orally and written in a foreign language at least at European language B2 level.
7	To be able to use computer programs related to his/her field and have skills for informatics communication.
8	To be able to be careful in protecting social, scientific and cultural ethics in collection data, application and presentation.
9	To be able to develop strategic, political and application plans in his/her field and may evaluate the outcomes in quality periods.

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		2	5	5	5
P2		3	5	4	5
P3	3	5	5	5	5
P4		3	5	5	5
P5	5	5	5	5	5
P8	5	5			

