



AYDIN ADNAN MENDERES UNIVERSITY COURSE INFORMATION FORM

Course Title		Scientific Research Methods							
Course Code		GT506		Course Level		Short Cycle (Associate's Degree)			
ECTS Credit	2	Workload	51 (Hours)	Theory	2	Practice	0	Laboratory	0
Objectives of the Course		The objective of the course is to gain students proficiency of making research,evaluating the results and writing reports.							
Course Content		The choice of the research topic, literature review, formation of research design, conduct a research, data evaluation, convert the research results into a report and present of research reports.							
Work Placement		N/A							
Planned Learning Activities and Teaching Methods				Explanation (Presentation), Discussion, Case Study, Individual Study					
Name of Lecturer(s)		Prof. Okan ATAY, Prof. Özdal GÖKDAL							

Assessment Methods and Criteria

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

Recommended or Required Reading

1	Araştırma Yöntem ve Teknikleri Ders Notları. M. ARSLAN, HÜ Birecik MYO.
2	Araştırmalarda Rapor Hazırlama. Niyazi KARASAR 2018 İstanbul: Nobel Yayınları, ISBN: 978-605-5426-15-6
3	Araştırma ve Deneme Metotları. Orhan DÜZGÜNEŞ, Tahsin KESİCİ, Orhan KAVUNCU, Gürbüz, F. 1987. Ankara Üniv., Ziraat Fakültesi yayınları: 1021, Ders Kitabı: 295.
4	Araştırma Teknikleri. MEB, 2011. Mesleki Gelişim. 142EB0001, Ankara
5	Bilimsel Araştırma Yöntemleri, T.C. Anadolu Üniversitesi Yayını No: 2750, Açıköğretim Fakültesi Yayını No: 1708, Editör Adile AŞKIM KURT. 2013. ISBN 978-975-06-1415-6
6	Güncel makaleler, kongre ve sempozyum bildirileri

Week	Weekly Detailed Course Contents	
1	Theoretical	Importance of Research & Innovation Activities
2	Theoretical	Scientific Knowledge and Characteristics of Contemporary Science
3	Theoretical	Ethical Principles in Research
4	Theoretical	Objectives and Types of Scientific Researches
5	Theoretical	Research methods
6	Theoretical	Research Planning
7	Theoretical	Data Types and Data Collection Methods
8	Theoretical & Practice	MID-TERM EXAM
9	Theoretical	Preparation and Conduct of Survey Research / Preparation of Survey Forms
10	Theoretical	Preparation and Conduct of Survey Research / Preparing and Implementing of Survey Forms
11	Theoretical	Data Transfer to Computer for Analysis
12	Theoretical	Basic principles in research and experiment
13	Theoretical	Evaluation of Results, Creating Tables and Graphs
14	Theoretical	Descriptive statistics
15	Theoretical	Presentation of Research Results
16	Final Exam	FINAL EXAM

Workload Calculation

Activity	Quantity	Preparation	Duration	Total Workload
Lecture - Theory	14	0	2	28
Reading	7	0	1	7
Midterm Examination	1	7	1	8



Final Examination	1	7	1	8
Total Workload (Hours)				51
[Total Workload (Hours) / 25*] = ECTS				2
*25 hour workload is accepted as 1 ECTS				

Learning Outcomes

1	determines a research topic
2	prepares a research plan
3	knows different research techniques and methods
4	knows data types and data collection methods
5	prepares and conducts a research
6	knows preparation and evaluation of data for analysis
7	presents the results of a research

Programme Outcomes (Food Quality Control and Analysis)

1	Having basic knowledge about food products
2	Having knowledge for Production and hygiene in food products, preservation, microbiology, quality control and analysis
3	Having skills and discipline for working in the laboratory and using laboratory materials,
4	Developing positive attitudes about learning and knowledge and lifelong learning in the field.
5	Using the information and communication technologies at the level required by the work areas
6	Act in accordance with scientific, cultural and ethical values
7	Having sufficient consciousness about environmental protection, occupational health and safety issues.

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	L7
P2	2	2	2	2	2	2	2
P3				3			
P4	2	2	2	2	3	2	3
P5			4			4	3
P6	5	5			5		5

