



## 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 (Olive Cultivation and Olive Processing Technology)

1	To be able to identify olive, soil and water and to having knowledge these
2	To be able to comprehend knowledge botany and fruit growing
3	To be able to comprehend table olive technology and to apply
4	To be able to comprehend knowledge basic biochemistry and olive oil chemistry and to have olive oil with modern and traditional systems, to have knowledge olive oil refinery, basic process and to have apply olive oil extraction
5	To be able to preserve olive and olive products in appropriate condition
6	To be able to comprehend growing olive plant with necessary agricultural methods and to have general maintenance of olive tree
7	To be able to evaluate olive by-products
8	To be able to comprehend knowledge about vegetable genetic
9	To be able to comprehend knowledge occupational safety and have apply first aid
10	To be able to apply necessary laboratory analysis in olive and olive products production
11	To be able to apply hygiene and sanitation rules in factory
12	To be able to comprehend knowledge of professional ethics and responsibility
13	To be able to comprehend knowledge marketing of olive products and to have olive management
14	To be able to communicate verbally and literally
15	To be able to comprehend planning olive growing and production area
16	To be able to comprehend knowledge vegetable ecology and protection of environment

