



AYDIN ADNAN MENDERES UNIVERSITY COURSE INFORMATION FORM

Course Title		Research Methods and Techniques							
Course Code		FZ070		Coure Level		Short Cycle (Associate's Degree)			
ECTS Credit	2	Workload	53 (<i>Hours</i>)	Theory	2	Practice	0	Laboratory	0
Objectives of the Course		Examination of the research process, examination of the main research methods and usage patterns, literature research, collection of data, evaluation of data and create a report, using of simple statistical values							
Course Content		Research of literature, collection and evaluation of data, create a report, learning of simple statistical calculations.							
Work Placement		N/A							
Planned Learning Activities and Teaching Methods				Explanation (Presentation), Discussion, Case Study, Project Based Study					
Name of Lecturer(s)		Assoc. Prof. Erman ORYAŞIN, Ins. Hanife Gül BOZKURT, Lec. Mert SOYSAL							

Assessment Methods and Criteria

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

Recommended or Required Reading

1	Prof. Dr. Kazım Özdamar, Modern Scientific Research Methods, 3.Baskı
2	James N. Miller & Jane C. Miller, Statistics and Chemometrics for Analytical Chemistry, 6th Edition

Week	Weekly Detailed Course Contents	
1	Theoretical	Science and Information
2	Theoretical	Scientific research
3	Theoretical	Access to scientific information
4	Theoretical	Approach to research
5	Theoretical	Data collection tools
6	Theoretical	Simple statistical calculations
7	Theoretical	Example problem solving
8	Intermediate Exam	Midterm
9	Theoretical	Example problem solving
10	Theoretical	Data - Confidence limits
11	Theoretical	Data - Confidence limits
12	Theoretical	Example problem solving
13	Theoretical	Example problem solving
14	Theoretical	Example problem solving
15	Theoretical	Example problem solving

Workload Calculation

Activity	Quantity	Preparation	Duration	Total Workload
Lecture - Theory	14	0	2	28
Midterm Examination	1	10	0	10
Final Examination	1	15	0	15
Total Workload (Hours)				53
[Total Workload (Hours) / 25*] = ECTS				2

*25 hour workload is accepted as 1 ECTS

Learning Outcomes

1	Recognition of the research process
2	Determination of the paths to be followed in the research process



3	Research data collection and evaluation process
4	Reporting the research results in accordance with the general rules
5	Presentation of prepared reports

Programme Outcomes (First and Emergency Aid)

1	To be able to be aware of their professional authorities and responsibilities.
2	To be able to use the principles of individual and organizational communication skills.
3	To be able to define the emergency medical services and the pre-hospital emergency medical system devices used in Turkey and the world .
4	To be able to perform physical assessment of the patient and primary and secondary inspection.
5	To be able to apply the methods of handling and transportation of the patient
6	To be able to recognize the rules of the general approach to trauma patients and to be able to be capable of handling and maintenance of trauma equipment.
7	To be able to recognize emergency vehicles' mechanical and technical equipment and to be able to drive emergency vehicles.
8	To be able to identify the principles of pre-hospital emergency care in cases of environmental emergencies.
9	To be able to identify the principles of pre-hospital emergency care in medical emergencies.
10	To be able to analyze the ECG rhythm and apply the principles of pre-hospital emergency care for rhythm Disorders.
11	To be able to recognize and apply the pre-hospital emergency care drugs and fluids.
12	To be able to identify basic life support applications, Advanced Life Support applications and Advanced air way applications.
13	To be able to recognize the principles of pre-hospital emergency during disasters.
14	To be able to protect and maintain the highest level of physical and mental health.
15	To be able to recognize human anatomy and physiology.
16	To be able to develop good communication and human relations skills with colleagues and patients.
17	To be able to apply Infection Control Methods and check infectional situations of emergency vehicles and equipment, ensure the conditions of asepsis-antisepsis and pre-hospital emergency care with Infectious Diseases.
18	To have the appropriate knowledge of medical sciences at the level of interest, to use specific medical terms and terminology of 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	1	1	1	1	1
P2	2	2	2	2	2
P16	3	3	3	3	3
P17	1	1	1	1	1

