

AYDIN ADNAN MENDERES UNIVERSITY COURSE INFORMATION FORM

Course Title		Research Methods and Techniques							
Course Code		FZ070		Couse Level		Short Cycle (Associate's Degree)			
ECTS Credit 2		Workload	53 (Hours)	Theory	2	Practice	0	Laboratory	0
Objectives of the Course Examination of the research literature research, collection values									
Course Content		Research of licalculations.	terature, colle	ction and ev	aluation of	data, create a	report, learn	ing of simple stati	stical
Work Placement N/A									
Planned Learning Activities and Teaching Methods Explanation (Presentation), Discussion, Case Study, Project Based Study					d 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 Cour	e 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

	Preparation		Duration		Total Workload	
14		0	2		28	
1		10	0		10	
1		15	0		15	
Total Workload (Hours)						
[Total Workload (Hours) / 25*] = ECTS					2	
	14 1 1	1 1 1	1 10 1 15 Tc	1 10 0 1 15 0 Total Workload (H	11001150Total Workload (Hours)	

*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					
Drogr	Programma Outcomes (Medical Imaging Techniques)					

Progra	amme Outcomes (Medical Imaging Techniques)
1	To be able to get information the working principles of Radiology, Nuclear Medicine and Radiotherapy devices, and distinguish their components, use these devices in accordance with operating instructions.
2	To be able to perform the procedures in accordance with the examination of Radiology and Nuclear Medicine imaging .
3	To be able to apply the radiotherapy treatment, planned by radiation physicist with instruction of radiotherapist.
4	To be able to develop and perform the film printing of the images that obtained by imaging techniques of Radiology, Nuclear Medicine
5	To be able to evaluate the images that obtained by imaging techniques of Radiology, Nuclear Medicine in terms of radiographic quality and takes the necessary measures.
6	To be able to know the medical and radiologic terminology, and pronounce and use them correctly
7	To be able to take the necessary measures in accordance with the rules of Radiation safety and protection from radiation, and apply them.
8	To be able to distinguish the anatomical structures on images, obtained by the conventional and cross-sectional imaging techniques of Radiology, Nuclear medicine.
9	To be able to communicate well with patient, their family and the hospital staff.
10	To be able to move with own professional duties, powers and responsibilities of the consciousness and apply the rules of professional ethics.
11	To be able to adapt to a multi-disciplinary team work.
12	To be able to have a basic knowledge of human physiology.
13	To be able to distinguish anatomical structures.
14	To be able to establish a cause-and-effect relationship between events.
15	To be able to have the ability of analytical thinking and problem solving.
16	To be able to apply the basic principles of first aid.
17	It has basic knowledge about human anatomy
18	Understanding the basic concepts and principles of physics while providing, in the medical field and in particular medical imaging students better understand the issues involving technical vocational courses
19	OHS 'basic concepts; work accidents, occupational diseases, occupational physicians, occupational safety specialist, İSGB, OSGB, hazard classes, risk assessment, OHS employee representatives is
20	Have basic knowledge about basic medical practices and makes applications

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

	L1	L2	L3	L4	L5
P6	3	3	3	3	3
P10	2	2	2	2	2
P11	3	3	3	3	3
P14	5	5	5	5	5
P15	5	5	5	5	5

