AYDIN ADNAN MENDERES UNIVERSITY
COURSE INFORMATION FORM

Course Title		Introduction to Microbiology					
Course Code		AMH111		Couse Level	Short Cycle (Associate's Degree)		
ECTS Credit	2	Workload	50 *(Hours)*	Theory	2	Practice	0	Laboratory	0
Objectives of the Course		The aim of this course is to teach general characteristics of microorganisms and to learn about the properties of pathogenic microorganisms.					
Course Content		Students will have knowledge about general characteristics of microorganisms, genetic structure, metabolic properties, viruses, bacteria, fungi, immune system, differential diagnosis of microorganisms, methods used in microbiology.					
Work Placement		N/A					
Planned Learning Activities and Teaching Methods			Explanation (Presentation), Individual Study				
Name of Lecturer(s)		Lec. Murat ARI					

Assessment Methods and Criteria

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

Recommended or Required Reading

1	Basic Medical Microbiology P. Murray, Gunes Bookstore
2	Microbiology for Nurses, M Altındiş, Nobel Medicine Bookstore

Week	Weekly Detailed Course Contents	
1	Theoretical	History of Microbiology
2	Theoretical	General properties of microorganisms
3	Theoretical	Genetics of bacteria
4	Theoretical	Bacterial metabolism
5	Theoretical	Normal body flora
6	Theoretical	Growth characteristics and media of bacteria
7	Theoretical	Microscopy and dyes of microorganisms
8	Theoretical	Sterilization methods
9	Intermediate Exam	Midterm
10	Theoretical	Mechanism of action of antibiotics and resistance
11	Theoretical	Immune system, introduction to immunology
12	Theoretical	Gram positive coke and bacilli
13	Theoretical	Gram positive coke and bacilli
14	Theoretical	General features of viruses
15	Theoretical	General characteristics of fungi
16	Final Exam	Semester final exam
17	Final Exam	Semester final exam

Workload Calculation

Activity	Quantity	Preparation	Duration	Total Workload
Lecture - Theory	14	0	2	28
Midterm Examination	1	10	1	11
Final Examination	1	10	1	11
			Total Workload (Hours)	50
			[Total Workload (Hours) / 25*] = **ECTS**	2

*25 hour workload is accepted as 1 ECTS

Learning Outcomes

1	Know the general properties of microorganisms
2	Recognize important pathogen microorganisms
3	Have an idea about differential diagnosis of microorganisms
4	Know the sterilization processes
5	Know the immune system and its components
6	Recognize viruses and fungi

Programme Outcomes *(Operating Room Services)*

1	DIFFERENCE BETWEEN ANATOMIC STRUCTURES
2	DIFFERENCE BETWEEN HUMAN PHYSIOLOGY
3	FIRST AID AND FIRST HELP IN TIMES OF EMERGENCY
4	USING UNITY IN ORDER TO PROGRESS
5	ESTABLISH COMMUNICATION
6	BEING ETHICAL IN WORK
7	DIFFERENCES BETWEEN SURGERY SICKNESSES ACCORDİNG TO THE SYSTEM
8	USING UNITY IN ORDER TO PROGRESS
9	DIFFERENCES BETWEEN MEDİCAL TERMINOLOGY
10	USING WELL ESTABLISHED QUALITIES
11	UPDATING THE SURGERY UTENSILS AND STAYING SKILLED
12	STERILLZATION OF THE SURGICAL EQUIPMENT AND KEEPING THEM FUNCIONAL
13	KEEPING ALIVE AND LOOKING AFTER SURGERY UTENSILS
14	WORK ORGINIZATION AND PRODUCTIVE WORK
15	SURGERY ROOM SAFETY AND ESTABLISHING A SAFE STERILIZATION ROOM
16	MICROBIOLOGY ANALYSIS PRACTISE
17	STEPPING STONE FOR STERILLZATION
18	LOOKING AT THE HUMAN BODY'S FUNCTION AND MATERIAL
19	IN A SURGICAL ENVIRONMENT KEEPING TRACK OF PHYSIOLOGY AND EFFECTIVLY USING THE SURGICAL UTENSILS
20	THE IMPORTANCE OF SUFFICIENT AND BALANCED NUTRITION
21	To be able to use modern Turkish language knowledge and language skills.
22	To have knowledge about Atatürk's Principles and Revolution History
23	To communicate at a basic level in a foreign language
24	Knows cancer and its types. Know what needs to be done to prevent cancer.
25	To increase student's awareness of gender equality
26	Knows radiological imaging methods
27	Have information about home accidents
28	To know the classification of medical wastes
29	Knows collection and disposal of medical waste
30	To know family planning methods
31	Know the ethical dilemmas
32	Knows basic concepts about sexuality and sexual health
33	To gain educational and exploratory knowledge about control and protection against infectious diseases
34	To be able to use and maintain the right communication skills with patients and relatives
35	To be able to communicate with colleagues, patient and patient relatives at therapeutic level
36	To evaluate the behavior of patients and their relatives
37	To be able to explain the concepts related to substance abuse
38	To be able to integrate the theoretical foundations and applications of their responsibility for disaster recovery
39	Ability to gain theoretical knowledge about disaster recovery
40	At the end of the course students can establish a connection between health policies and state systems
41	Will be able to analyze the health transformation program.
42	Knows the anesthetic drugs and anesthesia methods applied to the patient.
43	Knows pharmacological agents. know how to apply the drugs according to the indications and contraindications
44	DIFFERENTIAL RADIOLOGICAL ANATOMY
45	Knows the concepts of quality standards, quality, standardization, standards and accreditation in health.

46	To know the rules of ergonomics
47	Explain and use the practices related to improving the quality of life.
48	Increased social sensitivity levels
49	To gain the ability to use personal knowledge, skills and experiences for the benefit of the society as a team
50	Will be able to apply the basic tasks to use the operating system
51	Demonstrate behavior by understanding the information given about health.
52	Express the importance of rational drug use and points to be considered.

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
P8	5	5				4
P9	4					
P15				5		
P16		3	5	3	3	3
P17				5		
P32	3	3	3			4
P33		5			4	4