



## AYDIN ADNAN MENDERES UNIVERSITY COURSE INFORMATION FORM

Course Title		Patient Microbiology							
Course Code		HB117		Course Level		Short Cycle (Associate's Degree)			
ECTS Credit	3	Workload	50 (Hours)	Theory	2	Practice	0	Laboratory	0
Objectives of the Course		Teaching the basic topics about Medical Microbiology							
Course Content		Introduction to Microbiology, History, Naming, Bacteria and Viruses, Mycology and parasitology, Normal microfibial flora of the body-microbiological diagnosis methods, Disinfection, antisepsis and sterilization, Basic immunology and immunity, Humoral immunity, Cellular Immunity, Basic immunology and immunity, Humoral Immunity, Cellular Immunity, Hypersensitivity reactions, Vaccines and applications, Air source infections and agents,Food and waterborne infections and agents, Wound and skin infections and their agents, Sexually transmitted diseases and agents, Infections transmitted by transfusion of blood and blood components-biological warfare agents,Hospital infections							
Work Placement		N/A							
Planned Learning Activities and Teaching Methods				Explanation (Presentation)					
Name of Lecturer(s)									

### Assessment Methods and Criteria

Method	Quantity	Percentage (%)
Midterm Examination	1	40
Final Examination	1	60

### Recommended or Required Reading

1	Kısa, Ö. Sağlık bilimlerinde mikrobiyoloji.
2	Levinson W. Medical Microbiology & Immunology. 8th ed, New York: Lange Medical Books/McGraw-Hill, 2004.

Week	Weekly Detailed Course Contents	
1	Theoretical	Introduction to Microbiology, Its History and Naming
2	Theoretical	Bacteria and Viruses
3	Theoretical	Micology and parasitology
4	Theoretical	Normal microflora of the body-microbiological diagnostic methods
5	Theoretical	Disinfection, antisepsis and sterilization
6	Theoretical	Basic immunology and immunity, Humoral immunity, Cellular Immunity
7	Theoretical	Basic immunology and immunity, Humoral immunity, Cellular Immunity
8	Intermediate Exam	MIDTERM
9	Theoretical	Hypersensitivity reactions, Vaccines and applications
10	Theoretical	Air resources infections and agents
11	Theoretical	Food and waterborne infections and their agents
12	Theoretical	Wound and skin infections and agents
13	Theoretical	Sexually transmitted diseases and their factors
14	Theoretical	Infections transmitted by transfusion of blood and blood components-biological warfare agents
15	Final Exam	Hospital infections

### Workload Calculation

Activity	Quantity	Preparation	Duration	Total Workload
Lecture - Theory	14	1	1	28
Assignment	1	4	1	5
Midterm Examination	1	5	1	6
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	Understanding the basic properties and importance of microorganisms.
2	To learn naming, classification and identification of medically important microorganisms.
3	Learning infections caused by bacteria, viruses and protozoans and their factors

**Programme Outcomes (Home Patient Care)**

1	The protection of patients' health , it is sufficient to gain the qualification to provide development and improvement
2	To identify factors that influence the health of the elderly has the ability .
3	Patients know the basic characteristics and needs of individuals and accordingly gain the skills to meet the needs of the elderly.
4	Use basic knowledge and skills related to patient health and care, interpret and evaluate data and identify and resolve potential problems.
5	with have basic health information , as required by the profession and practice of emergency measures that need to be applied in the work environment is capable of .
6	Healthy and sick individuals structure, physiological functions , the relationship between behavior and health and physical and social environment can grasp at a basic level .
7	Task law on rights and responsibilities, comply with regulations and professional ethics.
8	with other professional groups working in this field using its accumulated knowledge about the field of home care patients to take responsibility as a member of the health team in cooperation
9	activities at the basic level can apply for social rehabilitation in patients with plan.
10	social of patients may meet the needs in this matter by understanding the physical and psychological changes.
11	issues related to patient care , safety , protection of the elderly and health care workers have the knowledge and awareness of environmental protection .
12	It can follow the development of the society about the area and is sensitive to events in the world's agenda.
13	on issues related to health services , social responsibility, ethical values ??and has the knowledge and awareness of patients' rights
14	Act in accordance with quality management and processes and participate in these processes .

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

	L1	L2	L3
P1	5	1	2
P2	1	5	1
P3	2	1	2
P4	1	4	1
P5	4	1	1
P6	5	1	1
P7	2	1	3
P8	1	1	3
P9	2	1	1
P10	1	2	2
P11	2	1	1
P12	1	1	2
P13	2	1	1
P14	1	1	1

