

TOROS ÜNİVERSİTESİ

Vocational School
Oral And Dental Health

Course Information

INFECTIOUS DISEASES AND CLINICAL MICROBIOLOGY					
Code	Semester	Theoretical	Practice	National Credit	ECTS Credit
		Hour / Week			
ADS132	Spring	2	0	2	2

Prerequisites and co-requisites	
Language of instruction	Turkish
Type	Required
Level of Course	Associate
Lecturer	Efdal OKTAY GÜLTEKİN, MSc, PhD, Asst. Prof.
Mode of Delivery	Face to Face
Suggested Subject	
Professional practise (internship)	None
Objectives of the Course	In Microbiology is to provide students with basic knowledge and skills. Infectious diseases this course gives basic concepts and measures to be taken for the prevention of nosocomial infections. All kinds of method to learn the principles of sterilization and disinfection, find out the operating principles of aseptic.
Contents of the Course	Bacteria, fungi, parasites and viruses general information about. Reproduction and metabolism of microorganisms, normal flora of microorganisms and microbe-host relations between the routes of microorganism transmission. Basic immune response, mechanisms of action and resistance of antibiotics. Medically important bacteria, fungi, parasites and virus diseases. Current theoretical knowledge specific to infectious diseases are described. Evaluates the ways of prevention of communicable diseases, and especially blood, body fluids and secretions identifies the importance of vaccination against infectious diseases transmitted by. The importance of infection control measures hand washing and hand antisepti located at the top of explains. Insulation types and explains proper protective measures. Describes measures to be taken to prevent the development of cross infection. Sterilization and disinfection rules, principles of aseptic work.

Learning Outcomes of Course

#	Learning Outcomes
1	In Microbiology is to provide students with basic knowledge and skills
2	Current theoretical knowledge specific to infectious diseases are described.
3	Evaluates the ways of prevention of communicable diseases, and especially blood, body fluids and secretions identifies the importance of vaccination against infectious diseases transmitted by.
4	The importance of infection control measures hand washing and hand antisepti located at the top of explains.
5	Describes measures to be taken to prevent the development of cross infection.
6	Knows the methods of sterilization
7	Knowledgeable about the advantages and disadvantages of sterilization and disinfection methods

Course Syllabus

#	Subjects	Teaching Methods and Technics
1	introduction to Microbiology	Lecture, Powerpoint presentation, Question-answer, Laboratory
2	Microorganisms; Bacteria, Viruses, Fungi	Lecture, Powerpoint presentation, Question-answer, Laboratory
3	Host Defenses	Lecture, Powerpoint presentation, Question-answer, Laboratory

4	Diagnostic Microbiology	Lecture, Powerpoint presentation, Question-answer, Laboratory
5	Principles and sources of infectious diseases	Lecture, Powerpoint presentation, Question-answer, Laboratory
6	Epidemiology and pathogenesis of infectious diseases	Lecture, Powerpoint presentation, Question-answer, Laboratory
7	Mechanisms of action of antimicrobials	Lecture, Powerpoint presentation, Question-answer, Laboratory
8	Mid-Term Exam	
9	immunology	Lecture, Powerpoint presentation, Question-answer, Laboratory
10	Immune defense mechanism, vaccination and Prophylaxis	Lecture, Powerpoint presentation, Question-answer, Laboratory
11	cross infection	Lecture, Powerpoint presentation, Question-answer, Laboratory
12	infection control	Lecture, Powerpoint presentation, Question-answer, Laboratory
13	Sterilization and disinfection methods	Lecture, Powerpoint presentation, Question-answer, Laboratory
14	Control of waste types and waste	Lecture, Powerpoint presentation, Question-answer, Laboratory
15	General Assessment	Lecture, Powerpoint presentation, Question-answer, Laboratory
16	Final Exam	

Course Syllabus

#	Material / Resources	Information About Resources	Reference / Recommended Resources
1	Temel Mikrobiyoloji ve Bağışıklık Bilimi. Prof.Dr.Hakkı Bilgehan, Barış Yayınları		
2	Büke M. Enfeksiyon Hastalıklarının Hasta Örnekleri İle Tanımı., İzmir Güven Kitabevi; 2006,		
3	Doğanay M,Ü nal S,Hastane İnfeksiyonları. Hastane İnfeksiyonu Derneği Yayın No:1, Bilimsel Tıp Kitabevi; 2003		
4	Bilgehan H. Temel Mikrobiyoloji ve Bağışıklama Bilimi 1994Bilgehan H. Klinik Mikrobiyolojik Tanı 2004		

Method of Assessment

#	Weight	Work Type	Work Title
1	40%	Mid-Term Exam	Mid-Term Exam
2	60%	Final Exam	Final Exam

Relationship between Learning Outcomes of Course and Program Outcomes

#	Learning Outcomes	Program Outcomes	Method of Assessment
1	In Microbiology is to provide students with basic knowledge and skills	4,5,6,8	1,2
2	Current theoretical knowledge specific to infectious diseases are described.	4,5,6,8	1,2
3	Evaluates the ways of prevention of communicable diseases, and especially blood, body fluids and secretions identifies the importance of vaccination against infectious diseases transmitted by.	4,5,6,8	1,2
4	The importance of infection control measures hand washing and hand antisepsi located at the top of explains.	4,5,6,8	1,2
5	Describes measures to be taken to prevent the development of cross infection.	4,5,6,8	1,2
6	Knows the methods of sterilization	4,5,6,8	1,2
7	Knowledgeable about the advantages and disadvantages of sterilization and disinfection methods	4,5,6,8	1,2

PS. The numbers, which are shown in the column Method of Assessment, presents the methods shown in the previous table, titled as Method of Assessment.

Work Load Details

#	Type of Work	Quantity	Time (Hour)	Work Load

1	Course Duration	14	2	28
2	Course Duration Except Class (Preliminary Study, Enhancement)	14	1	14
3	Presentation and Seminar Preparation	0	0	0
4	Web Research, Library and Archival Work	0	0	0
5	Document/Information Listing	0	0	0
6	Workshop	0	0	0
7	Preparation for Midterm Exam	1	7	7
8	Midterm Exam	1	1	1
9	Quiz	0	0	0
10	Homework	0	0	0
11	Midterm Project	0	0	0
12	Midterm Exercise	0	0	0
13	Final Project	0	0	0
14	Final Exercise	0	0	0
15	Preparation for Final Exam	1	9	9
16	Final Exam	1	1	1
				60