TOROS ÜNİVERSİTESİ

Vocatıonal School
Medıcal Laboratory Techniques

Course Information

MEDICAL MICROBIOLOGY II					
Code	**Semester**	**Theoretical**	**Practice**	**National Credit**	**ECTS Credit**
		Hour / Week			
TLT204	Spring	2	2	3	4

Prerequisites and co-requisites	None
Language of instruction	Turkish
Type	Required
Level of Course	Associate
Lecturer	Lec. Dr. Müjgan BAYER
Mode of Delivery	Face to Face
Suggested Subject	None
Professional practise (internship)	None
Objectives of the Course	To give knowledge and skills about general information in medical microbiology
Contents of the Course	This course includes medical microbiology topics for technicians working in medical laboratories Clinical bacteriology, gram positive and negative cocci, gram negative cocobacilli, gram Negative non-fermentative bacilli, enterobacteria, vibriolar, gram negative anaerobes Bacteria, gram positive anaerobic bacteria, gram positive Basil, mycobacteria, chlamydials, campylobacteriaceae, mycoplasmateceae.

Learning Outcomes of Course

#	Learning Outcomes
1	Learn general properties of microorganisms
2	Get basic information about microorganism-host relationships
3	Learn about microorganism production
4	Learn sterilization and disinfection
5	Get basic and advanced information about the bacteria that are medically important
6	Learn about the effect and resistance mechanisms of antibiotics

Course Syllabus

#	Subjects	Teaching Methods and Technics
1	Introduction to Clinical Bacteriology	Lecture, Discussion
2	Gram positive smells	Lecture, Discussion
3	Gram negative smells	Lecture, Discussion
4	Gram negative cocoa	Lecture, Discussion
5	Gram negative Non-fermentative basil	Lecture, Discussion
6	enterobacteria	Lecture, Discussion
7	Vibrio are	Lecture, Discussion
8	Midterm	
9	Gram negative anaerobic bacteria	Lecture, Discussion
10	Gram positive anaerobic bacteria	Lecture, Discussion

11	Gram positive basil	Lecture, Discussion
12	mycobacteria	Lecture, Discussion
13	Chlamydia	Lecture, Discussion
14	Campylobacteriaceae, Mycoplasmateceae	Lecture, Discussion
15	Campylobacteriaceae, Mycoplasmateceae	
16	Final Exam	

Course Syllabus

#	Material / Resources	Information About Resources	Reference / Recommended Resources

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	Learn general properties of microorganisms	1,2	1,2
2	Get basic information about microorganism-host relationships	2	1,2
3	Learn about microorganism production	1,13	1,2
4	Learn sterilization and disinfection	4,7	1,2
5	Get basic and advanced information about the bacteria that are medically important	2,13	1,2
6	Learn about the effect and resistance mechanisms of antibiotics	2,13	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	4	56
2	Course Duration Except Class (Preliminary Study, Enhancement)	14	4	56
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	0	0	0
8	Midterm Exam	1	3	3
9	Quiz	1	1	1
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	3	3
16	Final Exam	1	1	1