MEDICAL MICROBIOLOGY I										
1	Course Title:	MEDICAL MICROBIOLOGY I								
2	Course Code:	TLTZ102								
3	Type of Course:	Compulsory								
4	Level of Course:	Short Cycle								
5	Year of Study:	1								
6	Semester:	2								
7	ECTS Credits Allocated:	6.00								
8	Theoretical (hour/week):	2.00								
9	Practice (hour/week):	4.00								
10	Laboratory (hour/week):	0								
11	Prerequisites:	None								
12	Language:	Turkish								
13	Mode of Delivery:	Face to face								
14	Course Coordinator:	Öğr. Gör. BÜŞRA ÇALIŞIR								
15	Course Lecturers:									
16	Contact information of the Course Coordinator:	Öğr.Gör.Dr.Perihan ERKAN ALKAN perihanerkan@uludag.edu.tr, 0224.2942489, Uludağ Üniversitesi Sağlık Hizmetleri Meslek Yüksekokulu, 16059 Nilüfer, Bursa								
17	Website:									
18	Objective of the Course:	Disinfection, sterilization, media preparation by applying the appropriate sampling, microbiology slide preparation and mediums is a course where the knowledge and skills.								
19	Contribution of the Course to Professional Development:	Introducing microorganisms. Teaching the technique of working with microscope to the student. Teaching sterilization methods. Comprehending the media and its types and teaching the sterilization methods of the media. Giving information about dilution preparation, dilution liquids and dilution rates. Teaching microbiological sampling and culture techniques. Transfer of pure culture preparation and preservation methods. Introducing dyes and teaching dyeing methods. Biochemical tests and teaching how to evaluate the results to be obtained. Basic information about bacteria molds and veasts								
20	Learning Outcomes:									
		1	Disinfection According to the concept of disinfection method to know and choose the area of application, use the							
		2	Know the concept of sterilization and sterilization method according to fields of application, choose, use the							
		3	Medium to recognize and purposes of use to learn about the steps in preparing to apply to							
		4	Take for example, to remember the damn rules, and the laboratory will be examined microbiologically, egü make an additional assumption, to grasp the relevant features and examples that should be rejected							
		5	Microbiological preparation to prepare, implement and examine methods of paint							
		6	Specimens and cultures of different qualities of reproduction detected er I ine b esiyer to planting, apply different methods of sowing							
		7								
		8								

		9									
		10									
21	Course Content:										
	Course Content:										
Week	Theoretical		Practice								
1	Disinfection, antisepsis and sterilizati concepts, methods of disinfection	on	Personal disinfection and disinfection of equipment and environment								
2	Sterilization methods		Pressurized steam and dry heat sterilization								
3	Low-temperature sterilization method	ls,	Tindalization, coagulation and sterilization by filtration								
4	Use of Chemical sterilanlar		Sterilization monitoring organization								
5	The structure of bacteria, the metabo	lism	Preparation and sterilization of the medium,								
6	Growth of bacteria, nutrient needs,		Culture medium additives and loss								
7	Mediums		Quality control and storage								
8	Sampling methods, sample handling storage criteria	and	Sampling methods								
9	Example accept the rejection criteria		Sampling methods								
10	And detection methods for the prepare	ration of	Simple painting, staining methods, and gram stain combined								
11	General rules of planting		Example of solid and liquid medium cultivation cultivation lvi sample record medium, sowing methods, sowing medium in the tube								
12	Mediums and their intended use		Aerobic and anaerobic incubation								
Activit	es		Number	Duration (hour)	Total Work Load (hour)						
Theore	tical Taythacka Deferences and/or Other		14	2.00	28.00						
Practica	als/Labs		14	4.00	56.00						
Self stu	dy and preperation		ISBA:978-975-420-746-	78-975-420-746-2.00 28.00							
Homew	vorks		7	4.00 28.00							
Project	8		Istanbul,1996. 3 Immunuoloji K. Kulucti	0.00 Irday Günes&Nobe	0.00						
Field S	tudies		0	0.00	0.00						
M@Bern	Assessment		1	14.00	14.00						
Others			0	0.00	0.00						
Final E	xams n Exam	1	40.00	26.00	26.00						
Total W	/ork Load				180.00						
Total w	ork load/ 30 hr	0			6.00						
ECTS (Credit of the Course				6.00						
Total		2	100.00								
Contrib	ution of Term (Year) Learning Activitie	es to	40.00								
Succes	s Grade										
Contrib	ution of Final Exam to Success Grade)	60.00								
Total			100.00								
Measur Course	rement and Evaluation Techniques Us	sed in the	Examination								
24	24 ECTS / WORK LOAD TABLE										

25	CONTRIBUTION OF LEARNING OUTCOMES TO PROGRAMME QUALIFICATIONS															
	PQ1	PQ2	PQ3	PQ4	PQ5	PQ6	PQ7	PQ8	PQ9	PQ1 0	PQ11	PQ12	PQ1 3	PQ14	PQ15	PQ16
ÖK1	5	1	5	1	1	1	2	2	4	1	1	1	0	0	0	0
ÖK2	5	1	5	1	1	1	2	2	4	1	1	1	0	0	0	0
ÖK3	5	1	2	4	4	4	3	3	2	1	1	1	0	0	0	0
ÖK4	5	5	1	1	1	1	1	2	2	3	1	1	0	0	0	0
ÖK5	5	1	5	1	1	2	1	1	2	1	1	1	0	0	0	0
ÖK6	5	1	1	1	1	1	1	3	3	1	1	1	0	0	0	0
LO: Learning Objectives PQ: Program Qualifications																
Contrib ution Level:	1 very low				2 low		3 Medium			4 High			5 Very High			