

BASIC MICROBIOLOGY

1	Course Title:	BASIC MICROBIOLOGY
2	Course Code:	TIP1002
3	Type of Course:	Compulsory
4	Level of Course:	First Cycle
5	Year of Study:	1
6	Semester:	2
7	ECTS Credits Allocated:	2.00
8	Theoretical (hour/week):	1.50
9	Practice (hour/week):	1.00
10	Laboratory (hour/week):	0
11	Prerequisites:	No
12	Language:	Turkish
13	Mode of Delivery:	Face to face
14	Course Coordinator:	Öğr.Gör. Tıp Fakültesi Öğrenci İşleri
15	Course Lecturers:	Prof. Dr. Cüneyt ÖZAKIN, Prof. Dr. Beyza ENER, Doç. Dr. Melda SINIRTAŞ
16	Contact information of the Course Coordinator:	ozakin@uludag.edu.tr, 0224.2954115, Uludağ Üniversitesi tıp Fakültesi Temel Tıp Bilimleri Binası, Tıbbi Mikrobiyoloji Anabilim Dalı, 16059 Nilüfer, Bursa
17	Website:	http://tip.uludag.edu.tr/ders/tip-1002.php
18	Objective of the Course:	Which is a major health problem is to recognize micro-organisms that cause infectious diseases.
19	Contribution of the Course to Professional Development:	
20	Learning Outcomes:	
	1	To have knowledge concerning the classification of microorganisms
	2	To acquire with basic information about the basic structural characteristics, feeding and growth conditions, the genetic structures of bacteria, viruses, parasites and fungi
	3	To apply easier to understand the structural properties and identification of microorganisms that are required for laboratory applications, including basic process
	4	To comprehend the information will form the basis of clinical microbiology and infectious disease lectures
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21	Course Content:	
	Course Content:	
Week	Theoretical	Practice
1	Introduction to microbiology and history	Rules must be complied with in microbiology laboratories and materials used
2	Classification of microorganisms	Microbiological staining techniques: simple staining

3	Classification of bacteria	Examination of bacteria stained; combined paints; Gram and AFS
4	Cell structure of bacteria	Sports, capsules and flagellar structure bacteria investigation
5	Cell wall of bacteria	Medium and cultivation techniques
6	Bacterial metabolism, reproductive characteristics	Colony morphology of bacteria
7	Genetic properties of bacteria	Virus, bacteria, fungi and parasites comparative analysis
8	Introductions to parasitology	
9	Parasitic diseases: transmission and diagnosis	
10	General features of protozoa	
11	Helmint general features	
12	Introduction to virology and definitions	
13	Replication of viruses	
14	Introduction to mycology and definitions	

Activities	Number	Duration (hour)	Total Work Load (hour)
23. Assessment			
Theoretical	14	1.50	21.00
Practicals/Labs	14	1.00	14.00
Self-study and preparation	14	1.00	14.00
Homeworks	0	0.00	0.00
Projects	0	0.00	0.00
Field Studies	0	0.00	0.00
Mid-term exams	2	4.00	8.00
Others	0	0.00	0.00
Success Grade	1	10.00	10.00
Total Work Load			67.00
Total work load/ 30 hr	100.00		2.23
ECTS Credit of the Course			2.00

[illegible]

ÖK4	0	1	0	0	1	3	0	0	0	0	0	0	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							