

BASIC IMMUNOLOGY

1	Course Title:	BASIC IMMUNOLOGY
2	Course Code:	TMI6001
3	Type of Course:	Compulsory
4	Level of Course:	Third Cycle
5	Year of Study:	1
6	Semester:	1
7	ECTS Credits Allocated:	7.00
8	Theoretical (hour/week):	3.00
9	Practice (hour/week):	0.00
10	Laboratory (hour/week):	0
11	Prerequisites:	None
12	Language:	Turkish
13	Mode of Delivery:	Face to face
14	Course Coordinator:	Prof. Dr. BARBAROS ORAL
15	Course Lecturers:	Prof. Dr. Ferah Budak
16	Contact information of the Course Coordinator:	Prof. Dr. H. Barbaros ORAL Bursa Uludağ Üniversitesi, Tıp Fakültesi, İmmünoloji Anabilim Dalı, 16059, Nilüfer, BURSA E-posta: oralb@uludag.edu.tr Tel: 2954114
17	Website:	
18	Objective of the Course:	This course is aimed to provide the student to comprehend basic features of immune functions and regulation and immunopathogenesis of diseases.
19	Contribution of the Course to Professional Development:	Understanding the basis of the immune system and using it in research
20	Learning Outcomes:	
	1	To understand the general aspects of immune system
	2	To be informed of names and functions of tissues and cells of immune system
	3	To comprehend mechanisms of innate and adaptive immune system
	4	To acquire knowledge about immunopathogenesis for evaluating some clinical events
	5	To gain some basic immunological information which provide aid for performing and evaluating some laboratory tests
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21	Course Content:	
	Course Content:	
Week	Theoretical	Practice
1	Introduction to the immune system	

2	Cells and tissues of the innate immunity	
3	Cells and tissues of the adaptive immunity	
4	Innate immune system	
5	Antigens and antibodies	
6	MHC and antigen presentation	
7	T and B cell development	
8	T and B cell activation	
9	Cytokines	
10	Cellular immune responses	
11	Humoral immune responses and complement System	
12	Immunological tolerance mechanisms	
13	Hypersensitivity reactions	
14	Principles of laboratory techniques frequently used in immunology	

Activites	Number	Duration (hour)	Total Work Load (hour)
Theoretical	14	3.00	42.00
Midterm Exam	0	0.00	
Practicals/Labs	0	0.00	0.00
Self study and preperation	14	8.00	112.00
Home work project	5	10.00	50.00
Homeworks	5	10.00	50.00
Final Exam	1	10.00	10.00
Projects	0	0.00	0.00
Total	34	100.00	214.00
Field Studies	0	0.00	0.00
Contribution of Term (Year) Learning Activities to Success Grade	0	0.00	0.00
Midterm exams	0	0.00	0.00
Others	0	0.00	0.00
Final Exams	1	10.00	10.00
Total	1	10.00	10.00
Total Work Load			214.00
Measurement and Evaluation Techniques Used in the Course	Measurement and evaluation are performed according to the Rules & Regulations of Bursa Uludağ University on		
ECTS Credit of the Course			7.00

[illegible]

ÖK5	4	3	3	0	5	0	0	0	0	0	0	0	0	0	0	0
LO: Learning Objectives PQ: Program Qualifications																
Contribution Level:	1 very low			2 low			3 Medium			4 High			5 Very High			