

**HARRAN UNIVERSITY FACULTY OF SCIENCE AND ARTS
DEPARTMENT OF BIOLOGY**

Course Name	Code	Semester	T+P	Credits	ECTS
BASIC IMMUNOLOGY	0804849	2 (Spring)	2+0	2	4

Prerequisite Course(s)	-
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Language of Instruction	Turkish
Type of Course	Selective
Coordinator	Prof. Dr. Faruk SÜZERGÖZ
Instructor	Prof. Dr. Faruk SÜZERGÖZ
Co-instructors	
Course Objectives	The aim of the lesson is to introduce to the students basis of immun system, immun functions and pathological reactions of immune sistem.
Course Outcomes	Student will learn about immune system tissues and cell. Students will have knowledge about how immune system works. Students will have knowledge about autoimmunity and immune insufficiencies. Student will get knowledge about allergy and tumor development.
Course Contents	The lesson include; immune system cells and organs, antigen and antibody concepts, mechanisms of immune response, hypersensitivty reactions and tumor immunology.

Weeks	Topics
1	Chronology of immunology
2	Immune system organs
3	Immune system cells
4	Antigen concept
5	Antibody concept
6	T and B lymphocytes
7	Immune response
8	Midterm exam
9	Primaryandsecondaryresponses
10	Optimal immune response
11	Allergy
12	Hypersensitivity
13	Autoimmunity
14	Transplantation immunology
14	Tumor immunology

General Capabilities
Students have general knowledge about the immune system, protection from vaccination and infectious diseases.

Recommended or Required Reading
1.Yusuf Özal, Temel İmmünoloji, Nobel Tıp Kitapevleri, 1994 2.Kaya Kılıçturgay, İmmünolojiye Giriş, Güneş Kitabevi Bursa,1991 3.Stites D.P, Terr A.I, Basic andclinicalimmunology,Appleton&Lange, California, 1991 4.Gülmezoglu E, Ergüven S, İmmünoloji, Hacettepe-Taş Kitapçılık, Ankara, 1994

Form of Assessment
Mid-term exam : 40% Final exam : 60% Projects : Homework :