

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

Course Name	Code	Semester	T+P	Credits	ECTS
BIOCHEMISTRY-II LAB	0804620	2 (Spring)	2 + 0	1	2

Prerequisite Course(s)	-
------------------------	---

Language of Instruction	Turkish
Type of Course	Compulsory
Coordinator	Prof. Dr. Faruk SÜZERGÖZ
Instructor	Prof. Dr. Faruk SÜZERGÖZ
Co-instructors	
Course Objectives	The aim of the lesson is to contribute to students ability to do experimental work in biochemistry laboratory.
Course Outcomes	Students will grasp basis of biochemical reactions, Students will understand about main ideas of automational biochemical test in hospitals, Students will be able to evaluate the biochemical test results, Students will do experiments on proteins, enzymes and vitamins and will get experience for laboratuvar works.
Course Contents	Aminoacide, protein, enzyme experiments and protein electrophoresis.

Weeks	Topics
1	Potasyum ferrosiyanyure experiment
2	Heller's ring experiment
3	Biuretexperiment
4	Millonexperiment
5	Ksantoproteinexperiment
6	Hopkins Coleexperiment
7	Aminoasit sulphureexperiment
8	Midtermexam
9	Protein precipitationexperiment
10	Protein electrophoresis
11	Wolhgemth experiment
12	Catalaseexperiment
13	Vit-C analysis
14	Atomic absorbtion
15	Nefelometry

General Capabilities
Teaching and disseminating practical information about the regular work of the body, by getting general information about the occurrence of biochemical events in the body, and communicating them primarily to their students and their immediate surroundings.

Recommended or Required Reading
1. Arzu Seven SevilAtasoy, GülDenBurçak, OrkideDonma, Biochemistry experiments İ.Ü. Cerrahpaşa Tıp Fak. 2001
2. Tüzün C. Biyokimya Palme yayıncılık. İstanbul
3. . Mehmetoğlu İ. KlinikBiyokimyaLaboratuvarıİnciOfset. Konya
4. Gözükara EM. BiyokimyaOfsetRepromat Ltd. Şti. Ankara
5. Adam B, Göker Z, Ardıçoğlu Y. TemelveKlinikBiyokimya Atlas Kitapçılık. Ankara

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