

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

Course Name	Code	Semester	T+P	Credits	ECTS
BIOCHEMISTRY-I LAB	0804520	1 (Fall)	0+2	1	2

Prerequisite Course(s)	-
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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 acquaint the students with basic principles of the biochemistry laboratory, carbohydrate and lipid tests.
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 carbohydrate and lipids and will get experience for laboratory works.
Course Contents	Solution preparation, spectrophotometry, carbohydrate and lipid experiments.

Weeks	Topics
1	Spectrophotometry experiment
2	MoreeandFehling experiments
3	Benedict andBarfoed experiments
4	Molish experiment
5	Selivanof experiment
6	Bial experiment
7	Midterm exam
8	Nişastanın hidrolizi experiment
9	Akrolein experiment
10	Pettenkofer experiment
11	Rosin experiment
12	Gmelin experiment
13	Salkowski experiment
14	Vidanus experiment

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 Sevil Atasoy, Gül denBurçak, 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 :