

Module Description

Module title: Protein Biochemistry – practical part.

Module code: BCH 303

Year: 1442 H (2021) – Second semester.

Module objectives:

- Practical knowledge in the protein biochemistry field.
- Understand the principles behind basic experiments of protein biochemistry lab.
- Dealing with proteins.

Mark distribution:

Total mark is 30:

- 5 marks for Quizzes.
- 6 marks for Reports.
- 3 marks for homework
- 2 lab performance.
- 14 marks for final exam.
 - 10 marks for practical part.
 - 4 marks for theoretical part.

Experiments:

NO.	Experiment Title	Date
0	Introduction Protein Biochemistry.	18 Jan 2021
1	Qualitative tests of amino acids	25 Jan 2021
2	Quantitative amino acids estimation by ninhydrin method	1 Feb 2021
3	Effect of various factors on protein solubility and structure	8 Feb 2021
4	Protein extraction from animal and plant source	15 Feb 2021
5	Protein fractionation by ammonium sulphate and dialysis	22 Feb 2021
6	Detection and quantitative estimation of proteins by different methods (I)	1 Mar 2021
7	Detection and quantitative estimation of proteins by different methods (II)	8 Mar 2021
8	Effect of various factors on α -amylase activity	15 Mar 2021
Final exam		5 Apr 2021