

Module description

-Module title: Protein biochemistry– practical part.

-Module code: BCH 303

-Year: 1446 H (2025) – Second semester.

-Module objective:

- 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 lab reports.
- 2 marks for HomeWorks.
- 3 marks for performance.
- 14 marks for final exam:
 - 10 marks for practical part.
 - 4 marks for theoretical part.

-Module experiments:

NO.	Experiment Title
1	General Laboratory Guidelines. Qualitative tests of amino acids.
2	Quantitative amino acids estimation by ninhydrin method
3	Effect of various factors on protein solubility and structure.
4	Protein extraction from animal and plant source.
5	Protein fractionation by ammonium sulphate and dialysis.
6	Detection and quantitative estimation of proteins by different methods.
7	Effect of various factors on α -amylase activity.
8	Revision.

-Final exam date: