

Module description

-Module title: Biochemistry of biological fluids – practical part.

-Module code: BCH 472

-Year: 1445 H (2024) – Second Semester.

-Module objectives:

1. Learning ways to analyse and estimate the biological fluids in selective samples.
2. Studying the diseases and causes related to these fluids.
3. Focusing on laboratory methods and the way of writing reports and discussing the results of laboratory tests.

-Mark distribution:

The total mark is 30:

- 5 marks for quizzes.
- 6 marks for lab reports.
- 2 marks for performance and activity.
- 3 marks for homework/case study.
- 14 marks for the final exam:
 - 10 marks for the practical final exam.
 - 4 marks for the theoretical final exam.

-Module experiments:

#	Experiment title	Date
1	Physical properties and detection of normal constituents of urine.	21 Jan/4 Feb
2	Detection and estimation of some abnormal urine constituents.	11 Feb
3	Quantitative estimation of protein using sulphosalicylic acid.	18 Feb
4	Creatinine estimation and creatinine clearance tests.	3 Mar
5	Qualitative analysis of renal calculi.	10 Mar
6	Determination of serum urea.	17 Mar
7	Estimation of uric acid in serum.	24 Mar
8	Determination of plasma amylase.	21 Apr
9	Osmolality in serum and urine (theoretical).	
10	Pregnancy test.	28 Apr
	Final Exam: (12 May 2024)	