

## Module description

**-Module title:** Blood Biochemistry – practical part.

**-Module code:** BCH 471

**-Year:** 1445 H (2023) – First semester.

**-Module objectives:**

1. Studying ways to analyse blood samples for different diagnosis purposes.
2. Focusing on laboratory methods and how to write reports and discuss laboratory test results.

**-Mark distribution:**

The total mark is 30:

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

**-Module experiments:**

#	Experiment title	Report	Date
1	Separation of Plasma and Serum and Their Proteins from Whole Blood	-	31 Aug 7 Sep
2	Determination of Plasma Enzymes	√	14 Sep
3	ABO Blood Grouping and Rh Groups	-	21 Sep
4	Hemolyzing Agents and Detection of Blood	√	28 Sep
5	Hemoglobin and Anemia	√	5 Oct
6	Determination of Serum Iron	√	12 Oct
7	Estimation of Serum Bilirubin (Total and Direct)	√	19 Oct
8	Coagulation Time and Prothrombin Time, HCT and ESR	√	26 Oct
9	Complete Blood Cell Count	-	9 Nov
<b>Final Exam: (28 Nov 2023)</b>			