**Module description**

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

**-Module code:** BCH 472

**-Year:** 1438-1439H (2017) – First 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 discuss the results of laboratory tests.

**-Mark distribution:**

Total mark is 30:

* 7 marks for quizzes.
* 7 marks for lab reports.
* 1 mark for performance and activity.
* 15 marks for final exam :
  + - 10 marks for practical final exam.
    - 5 marks for theoretical final exam.

**-Module experiments:**

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| **NO.** | **Experiment title** | **Date** |
| **1** | Physical properties and detection of normal constituents of urine. | 13-1-1439  3-Oct-2017 |
| **2** | Detection and estimation of some abnormal urine constituents. | 20-1-1439  10-Oct-2017 |
| **3** | Quantitative estimation of protein using sulphosalicylic acid. | 27-1-1439  17-Oct-2017 |
| **4** | Creatinine estimation and creatinine clearance tests. | 4-2-1439  24-Oct-2017 |
| **5** | Qualitative analysis of renal calculi. | 11-2-1439  31-Oct-2017 |
| **6** | Determination of blood urea. | 18-2-1439  7-Nov-2017 |
| **7** | Estimation of uric acid in serum. | 25-2-1439  14-Nov-2016 |
| **8** | Determination of plasma amylase. | 3-3-1439  21-Nov-2016 |
| **9** | Pregnancy test + Osmolality in serum and urine (theoretical). | 10-3-1439  28-apr-2016 |
| **10** | Revision + Lab 9 quiz | 17-3-1439  5-Dec-2016 |