

University of Al-Anbar

College of Pharmacy

Department of Clinical Laboratory Sciences

Title of the course: *Practical Clinical Chemistry*

Level: 5th Class, 1st Semester

Credit hours: **Laboratory 1 credit 2 hours/week**

Tutors:

Reference text: *Lab Manual for Practical Clinical Chemistry Adopted by the Department*

Objectives: To exhibit knowledge of human body chemistry levels under healthy and abnormal conditions. At the end of the semester the students should be familiar with the basic and advanced information in clinical laboratory chemistry and how it relates to patient health and care.

No.	Lab title	hours
1.	Specimen collection and preservation.	2
2.	Estimation of blood glucose (enzymatic method).	2
3.	Oral Glucose Tolerance Test (OGTT).	2
4.	Determination of blood urea nitrogen.	2
5	Determination of Creatine and Creatinine.	2
6	Estimation of serum uric acid.	2
7.	Estimation of serum Bilirubin.	2
8.	Estimation of serum Phosphate.	2
9.	Total lipid profile: Estimation of serum cholesterol.	2
10	Total lipid profile: Estimation of LDL.	2
11.	Total lipid profile: Estimation of HDL.	2
12.	Total lipid profile: Estimation of Triglycerides.	2
13.	Estimation of AST activity.	2
14.	Estimation of ALT activity.	2
15.	Estimation of CK activity.	2