Course Specifications

General Information

Course name	Biochemistry lab.
Course number	PHCH3107
Faculty	
Department	
Course type	Major Needs
Course level	3
Credit hours (theoretical)	0
Credit hours (practical)	1
Course Prerequisites	

Course Objectives

1 - The biochemistry Laboratory has two major themes: qualitative and quantitative analysis of carbohydrates, lipids and proteins

Intended Learning Outcomes

Knowledge and Understanding	* The theoritical principle part of the experiments
Professional Skills	* To know the techniqual procedures of each experiment
General Skill	* To learn the biochemical examinations

Course Contents

1 - Qualitative carbohydrates
2 - Qualitative proteins
3 - Qualitative Lipids
4 - Acid value, saponification value and ester value
5 - Quantitative glucose
6 - Quantitative cholesterol
7 - Quantitative triglycerides
8 - Quantitative proteins
9 - Quantitative uric acid

Teaching and Learning Methods

1 - By experimental manual chemical analytical procedures, spectrophotometric and centrifugation procedures.

Teaching and Learning Methods for the Disabled Students

1 - All possible techniques will be done to facillitate there learninig

Students Assessment

Assessment Method	TIME	MARKS
Reports, attendence, practical part	During semester	40
Final	Final	40
Quizes	During semester	20

Books and References

Course note	Labrotory practical biochemistry manual

Knowledge and Skills Matrix

Main Course Contents	Study Week	Knowledge and Understanding	Intellectual Skills	Professional Skills	General Skill
Qualitative carbohydrates	1-2				
Qualitative proteins	3-4				
Qualitative lipids	5-6				
Acid value, saponification value and ester value	7-8				
Quantitative glucose	9				
Quantitative cholesterol	10				
Quantitative triglycerides	11				
Quantitative proteins	12				
Quantitative uric acid	13				