Course Specifications

General Information

Course name	Clinical Biochemisty
Course number	PHCH5218
Faculty	
Department	
Course type	Major Needs
Course level	5
Credit hours (theoretical)	2
Credit hours (practical)	0
Course Prerequisites	

Course Objectives

1 - The course will focous on the biomolecules modifications that affect the body health status and diseases.

Intended Learning Outcomes

Knowledge and Understanding	* To develope the knowledge and understanding of the biomolecules normal ranges and ubnormal disease states.s.

Course Contents

1 - Methods of biochemical qualitative and quantitative analysis
2 - Hormones
3 - Metabolic disord disease and diabetes
4 - Blood and cardiovascular diseases
5 - Skelton diseases
6 - Respiratory disease
7 - CNS diseases
8 - GIT diseases
9 - Kidney and excretion disaease
10 - Deficiency and accumulation diseases
11 - Skin diseases

Teaching and Learning Methods

1 - Lectures, Presentations, Discussion, Computer 3D softwares and Reading

Teaching and Learning Methods for the Disabled Students

1 - All possible visual and listening procedures will be performed

Students Assessment

Assessment Method	TIME	MARKS
Midterm	6th week	40
Final	Final	50
Research	8th week	10

Books and References

Essential books	Lipincott, clinical biochemistry, medical biochemistry and Lininger

Knowledge and Skills Matrix

Main Course Contents	Study Week	Knowledge and Understanding	Intellectual Skills	Professional Skills	General Skill
Methods of biochemical qualitative and quantitative analysis	1-2	Lectures, Presentations, Discussion, Computer 3D softwares and Reading			
Deficiency and accumulation diseases	3-4	Lectures, Presentations, Discussion, Computer 3D softwares and Reading			
Hormones	5-6	Lectures, Presentations, Discussion, Computer 3D softwares and Reading			
Metabolic disord disease and diabetes	7-8	Lectures, Presentations, Discussion, Computer 3D softwares and Reading			
Blood and cardiovascular diseases	9	Lectures, Presentations, Discussion, Computer 3D softwares and Reading			
GIT diseases	10	Lectures, Presentations, Discussion, Computer 3D softwares and Reading			
CNS diseases	11	Lectures, Presentations, Discussion, Computer 3D softwares and Reading			
Respiratory disease	12	Lectures, Presentations, Discussion, Computer 3D softwares and Reading			

Kidney and excretion diseases	13	Lectures, Presentations, Discussion, Computer 3D softwares and Reading			
Skeleton diseases	14	Lectures, Presentations, Discussion, Computer 3D softwares and Reading			
Skin diseases	15	Lectures, Presentations, Discussion, Computer 3D softwares and Reading			