

Course Description Form

1. Course Name:	
Medical Chemistry	
2. Course Code:	
3. Semester / Year:	
2023/2024	
4. Description Preparation Date:	
5/3/2024	
5. Available Attendance Forms:	
Lecture room,, Practical lab	
6. Number of Credit Hours (Total) / Number of Units (Total)	
60 hours theoretical lectures 60 hours practical lectures	
7. Course administrator's name (mention all, if more than one name)	
Name:	Email:
Lecturer Entessar Abdullatif Abdulreda	entessar.abdulreda@uobasrah.edu.iq
8. Course Objectives	
<p>The branch seeks to be known and distinguished in the field of of biochemistry and clinical chemistry in Basra in particular and Iraq in general, by explaining and teaching these subjects to students of medical colleges and other supporting colleges, and preparing qualified graduates professionally and academically to carry out advanced laboratory and diagnostic work in health institutions, as well as educational tasks in academic institutions.</p>	
9. Teaching and Learning Strategies	
Strategy	<ol style="list-style-type: none"> 1. Theoretical Lectures 2. Practical Lessons and clinical cases 3. Small Groups teaching 4. Online Lectures
10. Course Structure	

Week	Hours	Required Learning Outcomes	Unit or subject name	Learning method	Evaluation method
1-3	6	Organic Chemistry	Clinical chemistry	Lectures	Talks\exams
4-6	6	Inorganic Chemistry	Clinical chemistry	Lectures	Talks\exams
12-13	4	Chemistry of Proteins	Clinical chemistry	Lectures	Talks\exams
17-20	6	Chemistry of Enzymes	Clinical chemistry	Lectures	Talks\exams
1	6	Introduction and Instruments	Clinical chemistry	Practical\ small group teaching	Talks\exams
2-6	30	Titrations	Clinical chemistry	Practical\ small group teaching	Talks\exams
7-10	24	Color reactions of Carbohydrates	Clinical chemistry	Practical\ small group teaching	Talks\exams
11-14	24	Color reactions of Proteins	Clinical chemistry	Practical\ small group teaching	Talks\exams
15-18	24	Enzymes	Clinical chemistry	Practical\ small group teaching	Talks\exams
18-21	18	Normal urine examination	Clinical chemistry	Practical\ small group teaching	Talks\exams

11. Course Evaluation

Distributing the score out of 100 according to the tasks assigned to the student such as daily preparation, daily oral, monthly, or written exams, reports etc

12. Learning and Teaching Resources

Required textbooks (curricular books, if any)	Chemical bases of life Lippincott's Illustrated Reviews: Biochemistry Harper's physiological Chemistry
Main references (sources)	Chemical bases of life Lippincott's Illustrated Reviews: Biochemistry Harper's physiological Chemistry
Recommended books and references (scientific journals, reports...)	Medical Journals in google scholar. WHO reports. Pub med journals
Electronic References, Websites	Web sites in Biochemistry and Clinical Biochemistry