



## Course Description Form

1. Course Name:	
Biochemistry	
2. Course Code:	
CHM102	
3. Semester / Year:	
First Semester / First Year	
4. Description Preparation Date:	
25/02/2024	
5. Available Attendance Forms:	
Attendance only	
6. Number of Credit Hours (Total) / Number of Units (Total)	
75 hours in the semester. 5 hours per week (3 hours theoretical + 2 hours practical)	
7. Course administrator's name (mention all, if more than one name)	
Name: Lec. Sadoun Abbas Alsalimi Email: <a href="mailto:sadoun.alsalimi@uobasrah.edu.iq">sadoun.alsalimi@uobasrah.edu.iq</a>	
8. Course Objectives	
Course Objectives	<ol style="list-style-type: none"><li>1- Define properties and classification of nutrients.</li><li>2- Illustrate biochemical changes of nutrients and its metabolic pathways in human body.</li><li>3- Realize some important body constituents and their chemical changes.</li><li>4- Differentiate the biochemical functions of different human organs in normal and abnormal conditions.</li><li>5- Understand the human biochemical reactions in normal/abnormal situations.</li><li>6- Handle the laboratory equipment properly.</li><li>7- Use laboratory methods for monitoring biochemical reactions in biological samples.</li></ol>

### 9. Teaching and Learning Strategies

**Strategy** Brain Storm, Group Discussion, Clinical Conference, Group Projects, Presentations and Laboratory Works.

### 10. Course Structure

Week	Hours	Required Learning Outcomes	Unit or subject name	Learning method	Evaluation method
1	5	1- Teach the students the structures and roles of the fundamental compounds of biochemistry such as carbohydrates, lipids, proteins and enzymes. 2- Illustrate biochemical changes of nutrients and its metabolic pathways in human body. 3- Understand the human biochemical reactions in normal and abnormal conditions. 4- Developing students' abilities to share ideas. 5- Developing the student's skill and knowledge in dealing with	Carbohydrates 1	Lectures, Group Discussion, Clinical Conference, Group Projects, Presentations and Laboratory Works.	Quizzes, monthly examinations, reports and final examinations.
2	5		Carbohydrates 2		
3	5		Carbohydrates 3		
4	5		Lipids 1		
5	5		Lipids 2		
6	5		Lipids 3		
7	5		Proteins 1		
8	5		Proteins 2		
9	5		Proteins 3		
10	5		Enzymes 1		
11	5		Enzymes 2		
12	5		Liver Test 1		
13	5		Liver Test 2		
14	5		Kidney Test 1		
15	5		Kidney Test 2		