



UNIVERSITI TEKNOLOGI MARA

**CBE500: BIOCHEMISTRY LAB**

<b>Course Name (English)</b>	BIOCHEMISTRY LAB <b>APPROVED</b>
<b>Course Code</b>	CBE500
<b>MQF Credit</b>	1
<b>Course Description</b>	This course exposes the students to the practical tools and fundamental techniques needed in biochemistry.
<b>Transferable Skills</b>	Biochemistry practical skills
<b>Teaching Methodologies</b>	Lab Work
<b>CLO</b>	CLO1 Perform experiments, which are related to the fundamental study covered in the biochemistry course. CLO2 Develop well-structured experimental methodologies for open ended investigations CLO3 Evaluate the experimental results with the theories and interpret the data.
<b>Pre-Requisite Courses</b>	No course recommendations
<b>Topics</b>	
<b>1. Experiment 1: Concepts of pH and buffers</b> 1.1) n/a	
<b>2. Experiment 2: Estimation of Carbohydrates-Total and Reducing</b> 2.1) n/a	
<b>3. Experiment 3: Paper chromatographic of amino acids</b> 3.1) n/a	
<b>4. Experiment 4: Purification of lipids from egg yolk</b> 4.1) n/a	
<b>5. Experiment 5: Estimation of proteins</b> 5.1) n/a	
<b>6. Experiment 6: Enzyme assays based on uv-vis spectroscopy</b> 6.1) n/a	

Assessment Breakdown	%
Continuous Assessment	100.00%

Details of Continuous Assessment	Assessment Type	Assessment Description	% of Total Mark	CLO
	Assignment	Rubrics Assessment	20%	CLO1 , CLO2 , CLO3
	Test	n/a	20%	CLO1 , CLO2 , CLO3
	Written Report	Lab Report	60%	CLO1 , CLO2 , CLO3

Reading List	Recommended Text	<ul style="list-style-type: none"> <li>• D.Holem and H. Peck, 1983, <i>Analytical Biochemistry</i>, Longman</li> <li>• T.G.Cooper 1997, <i>The tools of Biochemistry.</i>, Wiley Intersciences</li> </ul>
Article/Paper List	This Course does not have any article/paper resources	
Other References	This Course does not have any other resources	