



UNIVERSITI TEKNOLOGI MARA

CSI162: BASIC BIOCHEMISTRY

Course Name (English)	BASIC BIOCHEMISTRY <b>APPROVED</b>				
Course Code	CSI162				
MQF Credit	2				
Course Description	no description provided				
Transferable Skills	Critical thinking				
Teaching Methodologies	Lectures, Blended Learning, Lab Work, Practical Classes, Tutorial				
CLO	<p>CLO1 Explain on reagent preparation, basic instrumentation, urinalysis and quality assurance procedures in chemical pathology laboratory.</p> <p>CLO2 Demonstrate the operating procedures for laboratory instrumentation and urinalysis.</p> <p>CLO3 Identify the correct procedures of reagent preparation, laboratory instrumentation and urinalysis to ensure the quality of patient test result outcome.</p>				
Pre-Requisite Courses	No course recommendations				
Reading List	<table border="1"> <tr> <td>Recommended Text</td> <td> <ul style="list-style-type: none"> <li>• Carl Burtis, Edward Ashwood, David Bruns 2008, <i>Tietz Fundamentals of Clinical chemistry</i>, 6th Ed., Saunders Elsevier.</li> <li>• Mary Louise Turgeon., <i>Linne &amp; Ringsrud's Clinical Laboratory Science: The Basics and Routine Techniques</i>, Mosby</li> </ul> </td> </tr> <tr> <td>Reference Book Resources</td> <td> <ul style="list-style-type: none"> <li>• Bishop Michael, Duben-Von Lauten Janet, Fody Edward. 2005, <i>Clinical Chemistry: Principles, procedures and correlations.</i>, Lippincott Williams &amp; Wilkins</li> <li>• Kee, J.L., <i>Laboratory and Diagnostic Tests with Nursing Implication</i>, 7th Ed., Pearson Practice Hall</li> <li>• Nancy A. Brunzel 2012, <i>Fundamental of urine &amp; body fluid analysis 3rd Edition.</i>, 3rd Ed., Elsevier Science Health Science Division</li> <li>• Jeremy Hughes, Ashley Jefferson M.D., Jonathan Ashley Jefferson 2008, <i>Clinical chemistry:made easy.</i>, Elsevier Health Sciences</li> <li>• Lillian A. Mundt, Kristy Shanahan 2010, <i>Graff's Textbook of Routine Urinalysis and Body Fluids.</i>, Lippincott Williams &amp; Wilkins</li> <li>• Lorraine J. Doucette 2010, <i>Mathematics for the Clinical Laboratory.</i>, Saunders</li> <li>• Wilburta Q. Lindh, Marilyn S. Pooler, Carol D. Tamparo, Barbara M. Dahl 2009, <i>Delmar's Clinical Medical Assisting.</i>, Cengage Learning.</li> <li>• Barbara H. Estridge, Anna P. Reynolds. 2011, <i>Basic Clinical Laboratory Techniques.</i>, Cengage Learning</li> </ul> </td> </tr> </table>	Recommended Text	<ul style="list-style-type: none"> <li>• Carl Burtis, Edward Ashwood, David Bruns 2008, <i>Tietz Fundamentals of Clinical chemistry</i>, 6th Ed., Saunders Elsevier.</li> <li>• Mary Louise Turgeon., <i>Linne &amp; Ringsrud's Clinical Laboratory Science: The Basics and Routine Techniques</i>, Mosby</li> </ul>	Reference Book Resources	<ul style="list-style-type: none"> <li>• Bishop Michael, Duben-Von Lauten Janet, Fody Edward. 2005, <i>Clinical Chemistry: Principles, procedures and correlations.</i>, Lippincott Williams &amp; Wilkins</li> <li>• Kee, J.L., <i>Laboratory and Diagnostic Tests with Nursing Implication</i>, 7th Ed., Pearson Practice Hall</li> <li>• Nancy A. Brunzel 2012, <i>Fundamental of urine &amp; body fluid analysis 3rd Edition.</i>, 3rd Ed., Elsevier Science Health Science Division</li> <li>• Jeremy Hughes, Ashley Jefferson M.D., Jonathan Ashley Jefferson 2008, <i>Clinical chemistry:made easy.</i>, Elsevier Health Sciences</li> <li>• Lillian A. Mundt, Kristy Shanahan 2010, <i>Graff's Textbook of Routine Urinalysis and Body Fluids.</i>, Lippincott Williams &amp; Wilkins</li> <li>• Lorraine J. Doucette 2010, <i>Mathematics for the Clinical Laboratory.</i>, Saunders</li> <li>• Wilburta Q. Lindh, Marilyn S. Pooler, Carol D. Tamparo, Barbara M. Dahl 2009, <i>Delmar's Clinical Medical Assisting.</i>, Cengage Learning.</li> <li>• Barbara H. Estridge, Anna P. Reynolds. 2011, <i>Basic Clinical Laboratory Techniques.</i>, Cengage Learning</li> </ul>
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Article/Paper List	This Course does not have any article/paper resources				
Other References	This Course does not have any other resources				

