



## UNIVERSITI TEKNOLOGI MARA

### CSI201: CLINICAL MICROBIOLOGY II

Course Name (English)	CLINICAL MICROBIOLOGY II <b>APPROVED</b>		
Course Code	CSI201		
MQF Credit	3		
Course Description	This course builds on the concepts learned previously by examining the specific bacterial origins of infections that influence human health and disease. Emphasis is on laboratory isolation, identification and reporting procedures. Students continue developing skills in practical laboratory sessions, and are provided with an opportunity to perform and interpret tests to diagnose infectious disease.		
Transferable Skills	C1-C4 P1-P5 A1-A3		
Teaching Methodologies	Lectures, Blended Learning, Lab Work, Demonstrations, Field Trip, Practical Classes		
CLO	<p>CLO1 Discuss the general characteristics, clinically significant and laboratory diagnosis of the major bacterial pathogens as listed below: a. Staphylococci b. Streptococcus and Enterococcus spp. c. Bordetella spp. d. Corynebacterium spp. e. Gardnerella vaginalis f. Bacillus g. Mycobacterium spp. h. Neisseria spp. i. Haemophilus spp. j. Legionella spp.</p> <p>CLO2 Perform specific laboratory procedures to isolate the pathogenic gram-positive bacteria, Neisseria spp. and Haemophilus spp. through macro &amp; microscopic observation and biochemical laboratory tests.</p> <p>CLO3 Analyse the reporting results of pathogenic gram-positive bacteria, Neisseria spp. and Haemophilus spp and the selection of reliable drugs to treat the infection.</p> <p>CLO4 Present the proper of specimen collection, transportation and processing in diagnostic microbiology.</p>		
Pre-Requisite Courses	No course recommendations		
Reading List	<table><tr><td>Recommended Text</td><td><ul style="list-style-type: none"><li>• David H.Persing, Fred C. Tenover, Yi-Wei Tang, Frederick S. Nolte, Randall T. Hayden, and Alex Van Belkum 2011, <i>Molecular Microbiology; Diagnostic Principles and Practice</i>.</li><li>• Delost, Maria Dannessa. 2014, <i>Introduction to Diagnostic Microbiology for the Laboratory Sciences</i>., Jones &amp; Bartlett Publishers</li><li>• William C.Payne and Teresa A.Taff. 2011, <i>Clinical Laboratory Microbiology. A Practice Approach</i>.</li><li>• Mahon, Connie and George Manuselis., <i>Textbook of Diagnostic Microbiology</i>, 2010 Ed., Elsevier USA</li><li>• Paul G. Engelkirk and Jannet Duben-Engelkirk. 2011, <i>Microbiology for the Health Sciences</i>.</li><li>• Patricia M. Tille. 2013, <i>Bailey &amp; Scott's Diagnostic Microbiology</i>.</li><li>• Warren Levinson. 2010, <i>Review of Medical Microbiology and Immunology</i>.</li></ul></td></tr></table>	Recommended Text	<ul style="list-style-type: none"><li>• David H.Persing, Fred C. Tenover, Yi-Wei Tang, Frederick S. Nolte, Randall T. Hayden, and Alex Van Belkum 2011, <i>Molecular Microbiology; Diagnostic Principles and Practice</i>.</li><li>• Delost, Maria Dannessa. 2014, <i>Introduction to Diagnostic Microbiology for the Laboratory Sciences</i>., Jones &amp; Bartlett Publishers</li><li>• William C.Payne and Teresa A.Taff. 2011, <i>Clinical Laboratory Microbiology. A Practice Approach</i>.</li><li>• Mahon, Connie and George Manuselis., <i>Textbook of Diagnostic Microbiology</i>, 2010 Ed., Elsevier USA</li><li>• Paul G. Engelkirk and Jannet Duben-Engelkirk. 2011, <i>Microbiology for the Health Sciences</i>.</li><li>• Patricia M. Tille. 2013, <i>Bailey &amp; Scott's Diagnostic Microbiology</i>.</li><li>• Warren Levinson. 2010, <i>Review of Medical Microbiology and Immunology</i>.</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		

