



UNIVERSITI TEKNOLOGI MARA

CSI256: MEDICAL LABORATORY TECHNOLOGY PRINCIPLES AND PRACTICES II

Course Name (English)	MEDICAL LABORATORY TECHNOLOGY PRINCIPLES AND PRACTICES II APPROVED	
Course Code	CSI256	
MQF Credit	2	
Course Description	This course aims to provide foundation knowledge on advanced technology in laboratory diagnostic of clinically important microorganisms. This course also aims to introduce molecular biology techniques that are used in various applications in the medical field.	
Transferable Skills	Life-long learning, Teamwork, Communication skill	
Teaching Methodologies	Lectures, Blended Learning, Web Based Learning, Discussion, Presentation	
CLO	CLO1 Describe the principle and method of each advanced technology in medical laboratory and their applications in medical laboratory. CLO2 Differentiate various molecular techniques and its function in medical laboratory. CLO3 Present the current diagnostic and research applications of each advanced technology in medical laboratory.	
Pre-Requisite Courses	No course recommendations	
Reading List	Reference Book Resources	<ul style="list-style-type: none">Bruce Alberts, Dennis Bray, Karen Hopkin, Alexander D Johnson, Julian Lewis, Martin Raff, Keith Roberts, Peter Walter 2013, <i>Essential Cell Biology</i>, 4 Ed., Garland Science [ISBN: 1317806271]Monica Cheesebrough 1994, <i>Medical Laboratory Manual for Tropical Countries</i>, Vo II: Microbiology. ELBSVaughn G. 1999, <i>Understanding and Evaluating Common Laboratory Tests</i>, Stamford.
Article/Paper List	This Course does not have any article/paper resources	
Other References	This Course does not have any other resources	

