



UNIVERSITI TEKNOLOGI MARA

CSI254: TRANSFUSION MEDICINE II

Course Name (English)	TRANSFUSION MEDICINE II APPROVED				
Course Code	CSI254				
MQF Credit	4				
Course Description	This course will focus on clinical application, detection and resolution of abnormal results. Prenatal diagnosis of haemolytic disease of the newborn, compatibility testing to ensure safe transfusion, investigation of adverse reactions to transfusions and the immune haemolytic anaemias will also be covered. Emphasis will be on extensive laboratory practical work.				
Transferable Skills	Successfully acquired the minimum skills and knowledge in transfusion medicine to function effectively as a medical laboratory technologist working in a blood transfusion service center.				
Teaching Methodologies	Lectures, Blended Learning, Lab Work, Case Study, Practical Classes, Web Based Learning, Problem Based Learning (PBL), Directed Self-learning				
CLO	CLO1 Discuss methods of investigation and processes used to investigate suspected adverse transfusion reactions and procedures to investigate suspected immune haemolytic anemia and haemolytic disease of the foetus and newborn. (PLO1) CLO2 Perform under supervision, appropriate pre-transfusion tests for the issuance of blood. (PLO2) CLO3 Describe the methods used in immunohaematology testings, including tube testing, gel card technology, microplate and solid phase red blood cell adherence techniques and their principles. (PLO3)				
Pre-Requisite Courses	No course recommendations				
Reading List	<table><tr><td>Recommended Text</td><td> • 2000, <i>District Laboratory Practice in Tropicals Cou</i>, Monica Cheesebrough,. Part 2 • 1985, <i>Medical Laboratory Mannual for Tropical Count</i>, Monica Cheesebrough,. Volume 11 </td></tr><tr><td>Reference Book Resources</td><td> • Marian Petrides, , Gary Stack 2007, <i>Practical Guide to Transfusion Medicine. Amer</i> • Quinley E. D. 1993, <i>Immunohematology, Principles and Practice</i>, J. B. Lippincott • Kathy D. Blaney, Paula R. Howard 2008, <i>Basic and Applied Concepts of Immunohematolog</i>, 2 Ed., Elsevier • Turgeon, Mary Louise 1995, <i>Fundamentals of Immunohematology: theory and</i> , 2 Ed., Baltimore: Williams & Wilkins • Duguid J, Goodnough LT, Desmond MJ. 2002, <i>Transfusion medicine in practice</i>, London: Martin Dunitz • Flynn, John C. 1998, <i>Essentials of Immunohematology</i>, Philadelphia: Saunders </td></tr></table>	Recommended Text	• 2000, <i>District Laboratory Practice in Tropicals Cou</i>, Monica Cheesebrough,. Part 2 • 1985, <i>Medical Laboratory Mannual for Tropical Count</i>, Monica Cheesebrough,. Volume 11	Reference Book Resources	• Marian Petrides, , Gary Stack 2007, <i>Practical Guide to Transfusion Medicine. Amer</i> • Quinley E. D. 1993, <i>Immunohematology, Principles and Practice</i>, J. B. Lippincott • Kathy D. Blaney, Paula R. Howard 2008, <i>Basic and Applied Concepts of Immunohematolog</i>, 2 Ed., Elsevier • Turgeon, Mary Louise 1995, <i>Fundamentals of Immunohematology: theory and</i> , 2 Ed., Baltimore: Williams & Wilkins • Duguid J, Goodnough LT, Desmond MJ. 2002, <i>Transfusion medicine in practice</i>, London: Martin Dunitz • Flynn, John C. 1998, <i>Essentials of Immunohematology</i>, Philadelphia: Saunders
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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				

