



# UNIVERSITI TEKNOLOGI MARA

## CSI204: TRANSFUSION MEDICINE I

<b>Course Name (English)</b>	TRANSFUSION MEDICINE I <b>APPROVED</b>		
<b>Course Code</b>	CSI204		
<b>MQF Credit</b>	3		
<b>Course Description</b>	This introductory course is designed to introduce the students to the principles of blood group systems using serological tests. Different types of tests used to detect blood antigens and antibodies of clinical importance will also be covered. The protocol of blood donation and blood component preparation will also be included.		
<b>Transferable Skills</b>	C1, C2, A2, A5, P2		
<b>Teaching Methodologies</b>	Lectures, Blended Learning, Lab Work, Demonstrations, Practical Classes, Tutorial, Web Based Learning		
<b>CLO</b>	<p>CLO1 Explain the sciences of genetics and immunology to the study of blood group antigens, antibodies and their interactions. (C2, PLO1)</p> <p>CLO2 Perform immuno-haematological tests to detect blood group antigens and antibodies in ABO, Rh and other blood group systems. (PLO2, P3)</p> <p>CLO3 Explain the process of blood collection, component preparation and their clinical indications. (C3, PLO3)</p>		
<b>Pre-Requisite Courses</b>	No course recommendations		
<b>Reading List</b>	<table><tr><td><b>Recommended Text</b></td><td><ul style="list-style-type: none"><li>• Kathy D. Blaney, Paula R. Howard 2008, <i>Basic and Applied Concepts of Immunohematology</i>, 2 Ed., Elsevier</li><li>• Kathy D. Blaney MS BB(ASCP)SBB (Author), Paul 2008, <i>Basic &amp; Applied Concepts of Immunohematology</i></li><li>• Marian Petrides, Gary Stack 2007, <i>Practical Guide to Transfusion Medicine</i>. Amer</li><li>• Sheryl Whitlock Paperback 2009, <i>Immunohematology for Medical Laboratory Techn</i></li><li>• Christopher D. Hillyer, MD, Leslie E. Silbers 2007, <i>Blood Banking and Transfusion Medicine</i>, 2 Ed., Basic Principles and Practice</li></ul></td></tr></table>	<b>Recommended Text</b>	<ul style="list-style-type: none"><li>• Kathy D. Blaney, Paula R. Howard 2008, <i>Basic and Applied Concepts of Immunohematology</i>, 2 Ed., Elsevier</li><li>• Kathy D. Blaney MS BB(ASCP)SBB (Author), Paul 2008, <i>Basic &amp; Applied Concepts of Immunohematology</i></li><li>• Marian Petrides, Gary Stack 2007, <i>Practical Guide to Transfusion Medicine</i>. Amer</li><li>• Sheryl Whitlock Paperback 2009, <i>Immunohematology for Medical Laboratory Techn</i></li><li>• Christopher D. Hillyer, MD, Leslie E. Silbers 2007, <i>Blood Banking and Transfusion Medicine</i>, 2 Ed., Basic Principles and Practice</li></ul>
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<b>Article/Paper List</b>	This Course does not have any article/paper resources		
<b>Other References</b>	<ul style="list-style-type: none"><li>• Website Joe Chaffin 2014, <i>Blood Banking and Transfusion Medicine</i> <a href="http://www.bbguy.org">http://www.bbguy.org</a></li></ul>		