



# UNIVERSITI TEKNOLOGI MARA

## CSI203: HAEMATOLOGY I

<b>Course Name (English)</b>	HAEMATOLOGY I <b>APPROVED</b>		
<b>Course Code</b>	CSI203		
<b>MQF Credit</b>	4		
<b>Course Description</b>	This course educates students about the definition, pathophysiology, related clinical features, laboratory diagnoses and treatments of blood related disorders. It exposes students practically on the normal practices of diagnostic tests typically conducted in haematology lab.		
<b>Transferable Skills</b>	Lecture		
<b>Teaching Methodologies</b>	Lectures, Blended Learning, Lab Work, Practical Classes		
<b>CLO</b>	<p>CLO1 Describe cellular development from the multipotential stem cell to the release of mature peripheral blood cells</p> <p>CLO2 Perform thin peripheral blood film and differential count (DC), total red blood cell count, total white blood cell count, total platelets count and other laboratory diagnostic related to Full Blood Count (FBC)</p> <p>CLO3 Describe the aetiology, pathophysiology, and laboratory tests used in the diagnosis of anaemia and thalassaemia.</p> <p>CLO4 Describe the principles of automated in Haematology laboratory.</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>Hoffbrand, A.V. 2009, <i>Color Atlas of Clinical Hematology</i>, 5 Ed., Elsevier Mosby</li><li>Helmut Löffler, Johann Rastetter. 2005, <i>Atlas of Clinical Hematology</i>, 6 Ed., Springer</li><li>Ronald Hoffman 2008, <i>Hematology: Basic Principles And Practice</i>, 5 Ed., Elsevier Churchill Livingstone</li><li>McKenzie, S.B. 2010, <i>Clinical Laboratory Hematology</i>, 2 Ed., Prentice Hall, Inc</li><li>Harmening D.M. 2008, <i>Clinical Hematology and Fundamentals of Hemos</i>, F.A. Davis Co.</li><li>Rodak, B.F., Fritsma G.A., Keohane, E 2011, <i>Hematology, Clinical Principles and Applications</i>, 4 Ed., Elsevier Saunders</li></ul></td></tr></table>	<b>Recommended Text</b>	<ul style="list-style-type: none"><li>Hoffbrand, A.V. 2009, <i>Color Atlas of Clinical Hematology</i>, 5 Ed., Elsevier Mosby</li><li>Helmut Löffler, Johann Rastetter. 2005, <i>Atlas of Clinical Hematology</i>, 6 Ed., Springer</li><li>Ronald Hoffman 2008, <i>Hematology: Basic Principles And Practice</i>, 5 Ed., Elsevier Churchill Livingstone</li><li>McKenzie, S.B. 2010, <i>Clinical Laboratory Hematology</i>, 2 Ed., Prentice Hall, Inc</li><li>Harmening D.M. 2008, <i>Clinical Hematology and Fundamentals of Hemos</i>, F.A. Davis Co.</li><li>Rodak, B.F., Fritsma G.A., Keohane, E 2011, <i>Hematology, Clinical Principles and Applications</i>, 4 Ed., Elsevier Saunders</li></ul>
<b>Recommended Text</b>	<ul style="list-style-type: none"><li>Hoffbrand, A.V. 2009, <i>Color Atlas of Clinical Hematology</i>, 5 Ed., Elsevier Mosby</li><li>Helmut Löffler, Johann Rastetter. 2005, <i>Atlas of Clinical Hematology</i>, 6 Ed., Springer</li><li>Ronald Hoffman 2008, <i>Hematology: Basic Principles And Practice</i>, 5 Ed., Elsevier Churchill Livingstone</li><li>McKenzie, S.B. 2010, <i>Clinical Laboratory Hematology</i>, 2 Ed., Prentice Hall, Inc</li><li>Harmening D.M. 2008, <i>Clinical Hematology and Fundamentals of Hemos</i>, F.A. Davis Co.</li><li>Rodak, B.F., Fritsma G.A., Keohane, E 2011, <i>Hematology, Clinical Principles and Applications</i>, 4 Ed., Elsevier Saunders</li></ul>		
<b>Article/Paper List</b>	This Course does not have any article/paper resources		
<b>Other References</b>	This Course does not have any other resources		