



# UNIVERSITI TEKNOLOGI MARA

## ANP405: ANATOMY AND PHYSIOLOGY I

<b>Course Name (English)</b>	ANATOMY AND PHYSIOLOGY I <b>APPROVED</b>				
<b>Course Code</b>	ANP405				
<b>MQF Credit</b>	3				
<b>Course Description</b>	The course provides the student with necessary knowledge of the anatomical and physiological aspects of the human body for application in their respective areas of study. This is a first part of two courses on anatomy and physiology for students of health science undergraduate programs. The systems covered in this course include the integumentary system, joints and the skeletal system, the muscular and cardiovascular systems comprising of the blood, heart, vessels, lymphatic and the immune response. In each system, students are exposed to the various structures and functions of the systems in normal states. Emphasize is given to the systems involvement in maintaining homeostasis.				
<b>Transferable Skills</b>	The student should be able to briefly described basic structure and function of related human organ.				
<b>Teaching Methodologies</b>	Lectures, Tutorial, Self-directed Learning				
<b>CLO</b>	CLO1 Explain the normal structure and functions of the human body especially in the cells, tissues, nervous system, integumentary system and muscular system. CLO2 Relate the normal structure and functions with some clinical conditions. CLO3 Demonstrate teamwork skills in a project.				
<b>Pre-Requisite Courses</b>	No course recommendations				
<b>Reading List</b>	<table><tr><td><b>Recommended Text</b></td><td>Tortora GJ &amp; Grabowski SR 2003, <i>Principles of Anatomy and Physiology</i>, 10 Ed., John Wiley, &amp; Sons, Inc., USA</td></tr><tr><td><b>Reference Book Resources</b></td><td><ul style="list-style-type: none"><li>• Marieb E.N &amp; Hoehn K 2007, <i>Human Anatomy &amp; Physiology</i>, 7 Ed., USA: Benjamin Cummings</li><li>• Sherwood S 2007, <i>Human Physiology: From Cells to Systems</i>, 6 Ed., USA: Thomson Brooks-Cole</li><li>• Martini FH 2006, <i>Fundamentals of Anatomy &amp; Physiology</i>, 7 Ed., Pearson Benjamin Cummings, USA</li><li>• Schuenke M., Schulte E &amp; Schumacher U 2006, <i>Atlas of Anatomy Latin nomenclature: General</i>, USA: Thieme</li><li>• Widmaier E.P, Raff H &amp; Strang K.T 2006, <i>Vanders Human Physiology: The Mechanisms o</i>, 10 Ed., USA: McGraw Hill</li><li>• Saladin K.S 2005, <i>Human Anatomy</i>, USA: McGraw Hill</li></ul></td></tr></table>	<b>Recommended Text</b>	Tortora GJ & Grabowski SR 2003, <i>Principles of Anatomy and Physiology</i> , 10 Ed., John Wiley, & Sons, Inc., USA	<b>Reference Book Resources</b>	<ul style="list-style-type: none"><li>• Marieb E.N &amp; Hoehn K 2007, <i>Human Anatomy &amp; Physiology</i>, 7 Ed., USA: Benjamin Cummings</li><li>• Sherwood S 2007, <i>Human Physiology: From Cells to Systems</i>, 6 Ed., USA: Thomson Brooks-Cole</li><li>• Martini FH 2006, <i>Fundamentals of Anatomy &amp; Physiology</i>, 7 Ed., Pearson Benjamin Cummings, USA</li><li>• Schuenke M., Schulte E &amp; Schumacher U 2006, <i>Atlas of Anatomy Latin nomenclature: General</i>, USA: Thieme</li><li>• Widmaier E.P, Raff H &amp; Strang K.T 2006, <i>Vanders Human Physiology: The Mechanisms o</i>, 10 Ed., USA: McGraw Hill</li><li>• Saladin K.S 2005, <i>Human Anatomy</i>, USA: McGraw Hill</li></ul>
<b>Recommended Text</b>	Tortora GJ & Grabowski SR 2003, <i>Principles of Anatomy and Physiology</i> , 10 Ed., John Wiley, & Sons, Inc., USA				
<b>Reference Book Resources</b>	<ul style="list-style-type: none"><li>• Marieb E.N &amp; Hoehn K 2007, <i>Human Anatomy &amp; Physiology</i>, 7 Ed., USA: Benjamin Cummings</li><li>• Sherwood S 2007, <i>Human Physiology: From Cells to Systems</i>, 6 Ed., USA: Thomson Brooks-Cole</li><li>• Martini FH 2006, <i>Fundamentals of Anatomy &amp; Physiology</i>, 7 Ed., Pearson Benjamin Cummings, USA</li><li>• Schuenke M., Schulte E &amp; Schumacher U 2006, <i>Atlas of Anatomy Latin nomenclature: General</i>, USA: Thieme</li><li>• Widmaier E.P, Raff H &amp; Strang K.T 2006, <i>Vanders Human Physiology: The Mechanisms o</i>, 10 Ed., USA: McGraw Hill</li><li>• Saladin K.S 2005, <i>Human Anatomy</i>, USA: McGraw Hill</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				

