



## UNIVERSITI TEKNOLOGI MARA

### BHS105: ANATOMY AND PHYSIOLOGY

<b>Course Name (English)</b>	ANATOMY AND PHYSIOLOGY <b>APPROVED</b>				
<b>Course Code</b>	BHS105				
<b>MQF Credit</b>	3				
<b>Course Description</b>	This course is covering on human anatomy and physiology for health sciences. The aim of this course is to provide the student with knowledge of anatomical and physiological aspects of the human body. For the beginning of this course, the content will be started with introduction to anatomy and physiology, general orientation to human body, chemistry of life and cellular form which enable cell to function. Then the students will learn about fundamental of genetic and types of tissue. Once the students have covered these basic topics, contents of the course will move on into the different systems that make up the human body. The systems that are covered in this part include the integumentary system, joints and the skeletal system, the muscular system, nervous system, endocrine system, cardiovascular system, lymphatic system, respiratory system, urinary system, digestive system, and reproductive system. In each system, students are exposed to the various structures and functions of the systems in normal condition. Every time, emphasize is given to the systems involvement in maintaining homeostasis.				
<b>Transferable Skills</b>	i) Basic concept of anatomy and physiology. ii) Functions of human body system. iii) Interrelationships within and between anatomical and physiological systems.				
<b>Teaching Methodologies</b>	Lectures, Blended Learning, Demonstrations, Discussion, Presentation				
<b>CLO</b>	CLO1 Explain the basic concepts of anatomy and physiology and general structure of human body systems CLO2 Analyse the functions of human body systems. CLO3 Interpret the interrelationships within and between anatomical and physiological systems of the human body.				
<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>Gerard J. Tortora, Bryan H. Derrickson 2012, <i>Essentials of Anatomy and Physiology</i>, John Wiley &amp; Sons [ISBN: 9781118092460]</li><li>Cinnamon L. VanPutte, Jennifer L. Regan, Andrew F. Russo, <i>Seeley's Essentials of Anatomy and Physiology</i> [ISBN: 9780071220064]</li></ul></td></tr><tr><td><b>Reference Book Resources</b></td><td><ul style="list-style-type: none"><li>Indu Khurana, <i>Fundamentals of Anatomy and Physiology</i>, 1 Ed. [ISBN: 9789834504601]</li><li>Marieb E.N &amp; Hoehn 2014, <i>Human Anatomy &amp; Physiology</i>, Pearson Education</li><li>Elaine Nicpon Marieb, Katja Hoehn 2013, <i>Human Anatomy &amp; Physiology</i>, Benjamin Cummings [ISBN: 0321743261]</li><li>Donald Rizzo 2011, <i>Introduction to Anatomy and Physiology</i>, Cengage Learning [ISBN: 1133386032]</li></ul></td></tr></table>	<b>Recommended Text</b>	<ul style="list-style-type: none"><li>Gerard J. Tortora, Bryan H. Derrickson 2012, <i>Essentials of Anatomy and Physiology</i>, John Wiley &amp; Sons [ISBN: 9781118092460]</li><li>Cinnamon L. VanPutte, Jennifer L. Regan, Andrew F. Russo, <i>Seeley's Essentials of Anatomy and Physiology</i> [ISBN: 9780071220064]</li></ul>	<b>Reference Book Resources</b>	<ul style="list-style-type: none"><li>Indu Khurana, <i>Fundamentals of Anatomy and Physiology</i>, 1 Ed. [ISBN: 9789834504601]</li><li>Marieb E.N &amp; Hoehn 2014, <i>Human Anatomy &amp; Physiology</i>, Pearson Education</li><li>Elaine Nicpon Marieb, Katja Hoehn 2013, <i>Human Anatomy &amp; Physiology</i>, Benjamin Cummings [ISBN: 0321743261]</li><li>Donald Rizzo 2011, <i>Introduction to Anatomy and Physiology</i>, Cengage Learning [ISBN: 1133386032]</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><a href="https://www.khanacademy.org/science/health-and-med">https://www.khanacademy.org/science/health-and-med</a> <i>Anatomy &amp; Physiology</i></li></ul>				

