



UNIVERSITI TEKNOLOGI MARA

ANP105: ANATOMY AND PHYSIOLOGY

Course Name (English)	ANATOMY AND PHYSIOLOGY APPROVED	
Course Code	ANP105	
MQF Credit	3	
Course Description	<p>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.</p>	
Transferable Skills	A1, A3, C2, C3, P5	
Teaching Methodologies	Lectures, Blended Learning, Demonstrations, Problem Based Learning (PBL), Discussion	
CLO	<p>CLO1 Explain the basic concepts of anatomy and physiology of body organization, homeostasis, cellular, and tissue organization as well as demonstrate anatomical position.</p> <p>CLO2 Describe the organization of body covering, support and movement including integumentary, skeletal and muscular system.</p> <p>CLO3 Describe the general structure and functions of nervous, endocrine and transport systems for human integration and coordination.</p> <p>CLO4 Explain briefly the general structure and functions of the digestive, respiratory and urinary system.</p> <p>CLO5 Explain briefly the structure and general functions of male and female reproductive systems and inheritance.</p>	
Pre-Requisite Courses	No course recommendations	
Reading List	Recommended Text	Gerard J. Tortora, Bryan H. Derrickson 2013, <i>Essentials of Anatomy and Physiology, Ninth Edition International Student Version</i> , 9 Ed., Wiley John Wiley and Sons [ISBN: 9781118092460]
	Reference Book Resources	<ul style="list-style-type: none">• Marieb E.N & Hoehn K 2014, <i>Human Anatomy & Physiology</i>, 9 Ed., Pearson Education• Martini FH & Nath J.L 2011, <i>Fundamentals of Anatomy & Physiology</i>, 9 Ed., Pearson Education• Sherwood S 2008, <i>Human Physiology: From Cells to Systems</i>, 7 Ed., Thomson Brooks-Cole USA• Saladin K.S 2011, <i>Anatomy & Physiology: The Unity of Form and Function</i>, 6 Ed., McGraw-Hill Education• Widmaier E.P, Raff H & Strang K.T 2011, <i>Vanders Human Physiology: The Mechanisms o</i>, 12 Ed., USA: McGraw Hill

Article/Paper List	This Course does not have any article/paper resources
Other References	This Course does not have any other resources