



UNIVERSITI TEKNOLOGI MARA

SED453: HUMAN ANATOMY AND PHYSIOLOGY

Course Name (English)	HUMAN ANATOMY AND PHYSIOLOGY APPROVED
Course Code	SED453
MQF Credit	3
Course Description	This course is designed to introduce students to the anatomical structure of human body, which includes the structure of the skeleton, muscles, nerves and various organs. The students will also be introduced to the position and orientation of these structures in the human anatomy, their functions and how they interact with other parts of the body.
Transferable Skills	Communication, solving problems
Teaching Methodologies	Lectures, Web Based Learning, Peer Practice, Collaborative Learning
CLO	CLO1 Classify the various structures of the human anatomy. CLO2 Determine the position and orientation of each structure of the human anatomy. CLO3 Interpret the functions of the organ system of the human anatomy.
Pre-Requisite Courses	No course recommendations
Topics	
1. Introduction 1.1) Body region, anatomical position terminology, body cavities	
2. Skeletal system 2.1) Function, bone, cartilage	
3. Muscular system 3.1) Types of muscle tissues, structure of skeletal muscles	
4. Cardiovascular system 4.1) Function/properties of blood, heart, blood vessels	
5. Respiratory system 5.1) Respiratory organ structure and functions, respiration mechanics	
6. Nervous system 6.1) Neuron structure, function, types	
7. Endocrine system 7.1) Glands of the endocrine system, mechanism of hormone actions	
8. Urinary system 8.1) Urinary organ, characteristics of urine, urine production	
9. Digestive system 9.1) Digestive organs, accessory organs, digestive process, absorption of nutrients	
10. Presentation 10.1) All topics included	

Assessment Breakdown	%
Continuous Assessment	100.00%

Details of Continuous Assessment	Assessment Type	Assessment Description	% of Total Mark	CLO
	Assignment	Develop flashcards related to the anatomy and physiology concepts for teaching purposes.	30%	CLO3
	Final Test	Comprises of all chapters in the syllabus.	20%	CLO3
	Presentation	Students work in groups to conduct peer-teaching.	30%	CLO2
	Quiz	Comprises of few chapters in the syllabus.	20%	CLO1

Reading List	Recommended Text	<ul style="list-style-type: none"> • Scanlon, Sanders 2015, <i>Essentials of Anatomy and Physiology</i>, 7 Ed., Davis Company
	Reference Book Resources	<ul style="list-style-type: none"> • Marieb, E. N. 2017, <i>Essentials of Human Anatomy and Physiology</i>, 8 Ed., Pearson Education San Francisco • Johnson, M. D. 2012, <i>Human biology: Concepts and current issues</i>, 6 Ed., Pearson Education
Article/Paper List	This Course does not have any article/paper resources	
Other References	This Course does not have any other resources	