

				more with their favorite topics
		Project		
	Quiz	8%		To encourage students, study every week.
	Midterm Exam	25%		To evaluate students and their achievements at the middle of the term.
	Final Exam	40%		Final evaluation and assessment.
Total	100%			
Specific learning outcome:	<p style="text-align: center;">By the end of this course learners will:</p> <p style="text-align: center;">By completing this course, the students can:</p> <ul style="list-style-type: none"> • Describing of human body anatomy accurately • Describe the regulation and maintenance mechanisms of cells. Beside this, the main transporting mechanisms of the body. • Describe initiation and transmission of electrical signals from excitable cells (nerve, muscle and glands). • Differentiate between the function of different muscle groups. • Elucidates how respiration, digestion, excretion ...etc. mechanisms will take place 			
Course References:	<ul style="list-style-type: none"> • Books: <ol style="list-style-type: none"> 1- Review of medical physiology 23rd edition (2020) by Ganong 2- Physiology (Board Review Series) 4th edition by Linda S Costanzo (2007) 3- Principles of Animal Physiology By Moyes, C.D. and Schulte, P.M.(2006) 4- Human Physiology by German (2006) 5- Physiology by Stuart Ira Fox, 11th edition (2009). McGraw Hill Higher Education 6- Textbook of Medical Physiology by Guyton 12th edition (2019) 7- Anatomy and physiology of human body 8- Basic of anatomy and physiology 			
Course topics (Theory)		Week	Learning Outcome	
Introduction to physiology and homeostasis		First	Introducing some primary information about anatomy and physiology and the consequences of the practicing them in laboratory beside that	

		giving some bio hazardous precautions about laboratory and ethical rules in treating with human and biological spacemen's
An overview about types of tissue	Second	Showing types of tissue in practice and understanding differentiation between them
Integumentary system	Third	Demonstration of parts of integumentary system with describing the layers and components of each part by using microscope and available tools
Bone and skeletal system of human body	Fourth	Identification of name, location and function of each human body skeleton by using manufactured body skeleton in lab
Membrane transport	Fifth	Manual demonstration of egg osmosis and red blood cell tonicity and seeing the phenomena practically
Muscle anatomy and physiology	Sixth	Frog dissecting and introducing to the exact mechanism of muscle contraction nerve conduction
Cardiovascular anatomy and physiology	Seventh	Teaching measuring blood pressure and manual dissecting of animal heart
Anatomy of nervous system	Eighth	Showing different human reflex by using simple tools in lab
Gastrointestinal anatomy & physiology	Ninth	Introducing digestive tract by using anatomical doll with experimenting different digestive enzymes

Sensory and vision	Tenth	Snellen chart, vision acuity, color blindness, taste and hearing
Respiration, ventilation and gas exchange	Eleventh	Using spirometer to calculating lung capacity
Reproduction system	Twelfth	Showing reproductive organs by using anatomical dolls in lab
Renal physiology	Thirteenth	Showing how kidney work and complete mechanism of urine formation
Acid base balance	Fourteenth	Advance study of kidney

Questions Example Design (theoretical and practical exam):

All of the activities provided in the workload section are considered when awarding you a grade for this course. In order to pass this course, you will need to earn a 60% or higher on the final exam. Your score on the exam will be calculated as soon as you complete it. If you do not pass the exam on your first try, you may take it again in the second trial.

- Type of the exam (composition and multiple choice)
- Exam's duration (for example one hour)
- The number of the questions: at least four questions. The marks distributed evenly throughout.

The answer should contain preface, main contents and conclusion.

Example

Q1\Match the term of A column with the only one correct answer of B column (3marks)

A	B
1- Clavicle	A-sebaceous gland
2-Horizontal	B-Cervical
3-Thyroid gland	C-Pectoral girdle
4- Rib	D-Endocrine
5- Atlas	E-Floating
6-sebum	F-Transverse

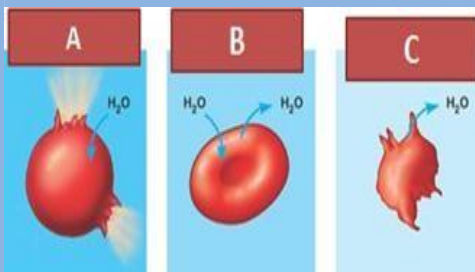
Q2/ Fill in blanks with the correct answer. (5marks)

1-is microscopic study of the tissues; also known as microscopic anatomy while, Is the study of structural change associated with disease.

2- means nearer to the shoulder joint or the hip joint, while means further away from the shoulder joint or the hip joint.

3- it is specialized for absorption, and filtration with minimal wear & tear. It is a single layered

Q3/ According to the tonicity identify type of solution in A, B and C



Extra notes:

External Evaluator