

Appendix

Content of the Group the Control Group and Intervention Group

Session (Week)	Total Time	Category	Contents	Methods
1	2h	Orientation for course Introduction to anatomy physiology Assignments	<ul style="list-style-type: none"> • Introduction of human Anatomy Physiology • Basic anatomy of human • Termimology of anatomy Assignments to draw material taught (after lecture)	Online Lecture (zoom)
2	2h	Cell Assignments	Anatomy physiology of Cell Assignments to draw material taught (after lecture)	Online Lecture (zoom)
3	2h	Tissue Assignments	Anatomy physiology of tissue Assignments to draw material taught (after lecture)	Online Lecture (zoom)
4	2h	Respiratory system Assignments	<ul style="list-style-type: none"> • Anatomy physiology of upper respiratory organ • Anatomy physiology of lower respiratory organ Assignments to draw material taught (after lecture)	Online Lecture (zoom)
5	2h	The five of senses Assignments	<ul style="list-style-type: none"> • Anatomy physiology of Eyes • Anatomy physiology of Ears Assignments to draw material taught (after lecture)	Online Lecture (zoom)
6	2h	The five of senses Assignments	<ul style="list-style-type: none"> • Anatomy physiology of tongue • Anatomy physiology of Nose Assignments to draw material taught (after lecture)	Online Lecture (zoom)
7	2h	Cardiovascular system Assignments	<ul style="list-style-type: none"> • Anatomy physiology of Heart • Systemic Circulatory system • Pulmonary circulatory system • Heart /coronary circulatory system Assignments to draw material taught (after lecture)	Online Lecture (zoom)
8		Mid -term exam		
9	2h	Digestive Assignments	<ul style="list-style-type: none"> • Anatomy physiology of digestive system • Food process Assignments to draw material taught (after lecture)	Online Lecture (zoom)
	4h	Review the topic week 9	Review of digestive system	online review (zoom)
10	2h	Endocrine Assignments	<ul style="list-style-type: none"> • Organs of Endocrine system • Function of the organs of endocrine system Assignments to draw material taught (after lecture)	Online Lecture (zoom)
	4 h	Review the topic week 10	Review of endocrine system	online review (zoom)

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11	2h	Nervous system	<ul style="list-style-type: none"> Anatomy physiology central nervous system Anatomy physiology peripheral nervous system 	Online Lecture (zoom)
		Assignments	Assignments to draw material taught (after lecture)	
	4h	Review the topic week 11	Review of nervous system	online review (zoom)
12	2h	Reproduction system	<ul style="list-style-type: none"> Anatomy physiology of female reproduction system Anatomy physiology of male reproduction system 	Online Lecture (zoom)
		Assignments	Assignments to draw material taught (after lecture)	
	4h	Review the topic week 12	Review of reproduction system	Online review (zoom)
13	2h	Urinary system	<ul style="list-style-type: none"> Anatomy physiology of Kidney Anatomy physiology of Bladder 	Online Lecture (zoom)
		Assignments	<ul style="list-style-type: none"> Anatomy physiology of urinary system Assignments to draw material taught (after lecture)	
	4h	Review the topic week 13	Review of urinary system	Online review (zoom)
14	2h	Integumen system	Anatomy physiology of skin	Online Lecture (zoom)
		Assignments	Assignments to draw material taught (after lecture)	
	4h	Review the topic week 14	Review of integumen system	Online review (zoom)
15	2h	Musculoskeletal system	<ul style="list-style-type: none"> Anatomy physiology of sceletal Anatomy physiology of muscle 	Online Lecture (zoom)
		Assignments	Assignments to draw material taught (after lecture)	
	4h	Review the topic week 15	Review of musculoskeletal system	Online review (zoom)
16		Final exam		