

Semester	3		
Course code	ZOOL 21521		
Course Name:	Animal Histology and Physiology Laboratory		
Credit Value:	1		
Core/Optional	Core		
Pre requisites	BIOL 11542		
Co-requisites	ZOOL 21512		
Hourly Breakdown	Theory	Practical	Independent Learning
	--	45	05
Course Aim/Intended Learning Outcomes:			
After completion of the course unit, the student will be able to;			
<ul style="list-style-type: none"> ➤ recognize histological structure of mammalian organ systems with special reference to human based on microscopic observations and relate the structure to their functions, ➤ demonstrate essential skills required in studying functioning of animals with special reference to human, and ➤ analyze physiological data, interpret results and prepare laboratory reports in a scientific manner. 			
Course Content:			
Animal Histology: Laboratory studies on histological structure of main tissue types; Epithelial, Connective, Muscle and Nervous tissues. Histology of integumentary system, Digestive system, Respiratory system, Excretory system, Endocrine organs and reproductive system in mammals with special reference to human.			
Animal Physiology: Laboratory experiments on reflexes, Vision, Hearing and maintaining equilibrium, Cardiovascular physiology, Haematology, Respiratory physiology and urinalysis with special reference to humans			
Teaching /Learning Methods: A combination of laboratory studies and preparation of laboratory reports.			
Assessment Strategy: Continuous assessment and end of course examination.			
Continuous Assessment 20%		Final Assessment 80%	
Details: Online/in-class quizzes, 10% Lab reports 10%		Theory (%) NA	Practical (%) 80%
		Other (%) (specify) NA	
Recommended reading:			
<ol style="list-style-type: none"> 1. Freeman, W. H. (1980). An Atlas of Histology, Heinemann Educational Book, London. 2. Animal Physiology Laboratory Manual (1998). Department of Zoology, University of Kelaniya. 3. Ross, M. H. & W. Pawlina (2010). Histology: A Text and Atlas, 6th Edition, Lippincott Williams & Wilkins, MD 4. Tortora, G.J., & B. H. Derrickson (2012). Principles of Anatomy and Physiology, 13th edition, John Wiley & Sons, NJ. 			