

UNIVERSITY OF NAIROBI  
 FACULTY OF VETERINARY MEDICINE  
 DEPARTMENT OF VETERINARY ANATOMY AND PHYSIOLOGY  
 FIRST SEMESTER TEACHING TIMETABLE 2023/2024  
 BACHELOR OF VETERINARY MEDICINE YEAR ONE

JVP3 101 PHYSIOLOGY I

WEEK	DATE	DAY	TIME	TOPIC	LECTURER
1.	10/10/2023	Tuesday		Public Holiday	ALL
	11/10/2023	Wednesday	8:00 a.m.-10:00 a.m.	Introduction to Physiology, Cell structure and functions; Membrane Properties and transport mechanisms.	Dr. Towett
	12/10/2023	Thursday	2:00 -5:00 p.m.	Membrane properties and transport mechanisms Tutorial/Assessment Quiz	Dr. Towett
2.	17/10/2023	Tuesday	9:00 a.m.-10:00 a.m.	<b>Homeostatic mechanisms</b>	Dr. Wambugu
			10:30 a.m.-11.30am	Control systems of the body: Positive and negative	“
			11.30am-12:30 p.m.	Tutorial/Assessment Quiz	“
	18/10/2023	Wednesday	8:00 a.m.-10:00 a.m.	<b>Neurophysiology:</b> Introduction, nerve stimulation, conduction , synapses etc.	Dr. Towett
	19/10/2023	Thursday	2:00 pm -5:00 pm	Sensory organs: somatic; and special sense organs (eye and ear)	
3.	24/10/2023	Tuesday	9:00 a.m.-10:00 a.m.	spinal cord, sensory and motor cortices, ascending and descending tracts Autonomic nervous system: sympathetic and parasympathetic trunks	“
			10:30 a.m.-12:30 p.m.	<b>Neurophysiology:</b> Introduction, nerve stimulation, conduction , synapses etc.	“
	25/10/2023	Wednesday	8:00 a.m.-10:00 a.m.	Pain Physiology, reflex activity Tutorial / Assessment Quiz	“
	26/10/2023	Thursday	2:00 p.m.-5:00 p.m.	<b>Muscles:</b> classification, contraction/relaxation mechanisms	Prof. Kimwele
4.	31/10/2023	Tuesday	9:00 a.m.-10:00 a.m.	<b>Muscles:</b> classification, contraction/relaxation mechanisms	“
			10:30 a.m.-12:30 p.m.	Muscle mechanics,	“

				muscle spindle, reflexes etc	
	01/11/2023	Wednesday	8:00 a.m.-10:00 a.m.	<b>Muscle mechanics</b> , muscle spindle, reflexes etc Tutorial/ Assessment quiz	“
	02/11/2023	Thursday	2:00 p.m.-5:00 p.m.	<b>Body fluids:</b> classification, composition, functions and fluid	Dr. Kaluwa
	07/11/2023	Tuesday	9:00 a.m.-10:00 a.m.	<b>B. fluid regulation</b>	“
			10:30 a.m.-12:30 p.m.	B. fluid regulation Tutorial/Assessment Quiz	“
	08/11/2023	Wednesday	8:00 a.m.-10:00 a.m.	<b>Blood formation</b> , composition and functions	Dr. Ochwang'i
	09/11/2023	Thursday	2:00 p.m.-5:00 p.m.	Hemostasis, blood groups	“
6.	14/11/2023	Tuesday	9:00 a.m.-10:00 a.m.	Blood formation, composition and functions Hemostasis, blood groups	“
			10:30 a.m.-12:30 p.m.	Haemoglobin, Hemostasis, blood groups Tutorial/Assessment Quiz	“
	15/11/2023	Wednesday	8:00 a.m.-10:00 a.m.	Blood pumping mechanism (Hemodynamics),	“
	16/11/2023	Thursday	2:00 p.m.-5:00 p.m.	<b>C.A.T.1</b>	<b>Drs. Ochwangi Kaluwa</b>
7.	21/11/2023	Tuesday	9:00 a.m.-10:00 a.m.	Regulation of cardiac output and blood pressure	Dr. Ochwangi
			10:30 a.m.-12:30 p.m.	Avian cardiovascular systems	“
	22/11/2023	Wednesday	8:00 a.m.-10:00 a.m.	Fish cardiovascular systems Tutorial/Assessment Quiz	“
	23/11/2023	Thursday	2:00 p.m.-5:00 p.m.	<b>Comparative Respiratory Physiology</b> Air conditioning and pulmonary ventilation,	Dr. Wambugu
8.	28/11/2023	Tuesday	9:00 a.m.-10:00 a.m.	Lung volume and capacities	
			10:30 a.m.-12:30 p.m.	Alveolar gaseous exchange and blood-gas transport	“
	29/11/2023	Wednesday	8:00 a.m.-10:00 a.m.	Regulation of respiration	“
	30/11/2023	Thursday	2:00 p.m.-5:00 p.m.	Regulation of respiration	“
9.	05/12/2023	Tuesday	9:00 a.m.-10:00 a.m.	Regulation of respiration	“
			10:30 a.m.-11:30 p.m.	Comparative respiration Avian and fish	“

		Tuesday	11.30-12:30	Tutorial/ assessment Quiz <b>Renal Physiology</b> Introduction to renal tubule,	Dr. Kaluwa
	06/12/2023	Wednesday	8:00 a.m.-10:00 a.m.	<b>Renal Physiology</b> Functional organization, glomerular filtration and tubular	“
	07/12/2023	Thursday	2:00 p.m.-5:00 p.m.	function Osmoregulation. Urine formation, micturition reflex buffer systems, Acid base balance	“
10.	12/12/2023	Tuesday	9:00 a.m.-10:00 a.m.	<b>Public Holiday</b>	ALL
	13/12/2023	Wednesday	8:00 a.m.-10:00 a.m.	Buffer systems, acid base balance, Tutorial/ Assessment	Dr. Kaluwa
	14/12/2023	Thursday	2:00 p.m.-5:00 p.m.	<b>C.A.T.</b>	<b>Drs. Kaluwa Nyongesa</b>
11.	16/01/2024	Tuesday	9:00 a.m.-10:00 a.m.	<b>Adaptation to Environment</b>	Prof Kimwele
			10:30 a.m.-12:30 p.m.	Adaptation to Environment	“
	17/01/2024	Wednesday	8:00 a.m.-10:00 a.m.	Thermoregulation & Energy	“
	18/01/2024	Thursday	2:00 p.m.-5:00 p.m.	Thermoregulation & Energy Metabolism Tutorial/Assessment Quiz	“
12.	23/01/2024	Tuesday	9:00 a.m.-10:00 a.m. 10:30 a.m.-12:30 p.m.	<b>Endocrinology-</b> introduction, Modes of hormone action “Hypothalamus and pituitary gland	Dr. Nyongesa
	24/01/2024	Wednesday	8:00 a.m.-10:00 a.m.	Growth, thyroid, parathyroid, pancreatic, adrenal	“
	25/01/2024	Thursday	2:00 p.m.-5:00 p.m.	Pancreas endocrine, exocrine Tutorial/Assessment Quiz	“
13.	30/01/2024	Tuesday	9:00 a.m.-10:00 a.m. 10:30 a.m.-12:30 p.m.	<b>Monogastric digestion</b>	“
	31/01/2024	Wednesday	8:00 a.m.-10:00 a.m.	Reabsorption mechanisms Hormonal regulation of digestion	“
	01/02/2024	Thursday	2:00 p.m.-5:00 p.m.	Hormonal regulation of digestion	“
14 & 15	05/02/2024- 16/02/2024			<b>First Semester University Examinations</b>	All

Approved: .....  
Chairman, Dept. Vet. Anatomy & Physiology

Date: 11/09/2023