

**UNIVERSITY OF NAIROBI**  
**FACULTY OF VETERINARY MEDICINE**  
**DEPARTMENT OF VETERINARY ANATOMY AND PHYSIOLOGY**  
**FIRST SEMESTER TEACHING TIMETABLES 2024/2025**

**BACHELOR OF VETERINARY MEDICINE**

**JVP 3101 PHYSIOLOGY I**

<b>WEEK</b>	<b>DATE</b>	<b>DAY</b>	<b>TIME</b>	<b>TOPIC</b>	<b>LECTURER</b>
1.	03/09/2024	Tuesday	9:00 a.m.-10:00 a.m.	Introduction to Physiology	Dr. Towett
			10:30 a.m.-12.30 a.m.	Cell structure and functions; Membrane Properties and	“
	04/09/2024	Wednesday	8:00 a.m.-10:00 a.m.	“	“
	05/09/2024	Thursday	2:00 -5:00 p.m.	Tutorial/Assessment Quiz	“
2.	10/09/2024	Tuesday	9:00 a.m.-10:00 a.m.	<b>Homeostatic mechanisms</b>	Dr. Wambugu
			10:30 a.m.-11.30 a.m.	Control systems of the body: Positive and negative	“
			11.30 a.m.-12:30 p.m.	Tutorial/Assessment Quiz	“
	11/09/2024	Wednesday	8:00 a.m.-10:00 a.m.	<b>Neurophysiology:</b> Introduction, nerve stimulation, conduction , synapses etc.	Dr. Towett
	12/09/2024	Thursday	2:00 pm -5:00 pm	Sensory organs: somatic; and special sense organs (eye and ear)	“
3.	17/09/2024	Tuesday	9:00 a.m.-10:00 a.m.	Spinal cord, sensory and motor cortices, ascending and descending tracts	“
			10:30 a.m.-12:30 p.m.	Autonomic nervous system:  Sympathetic, parasympathetic	“
	18/09/2024	Wednesday	8:00 a.m.-10:00 a.m.	Pain Physiology, reflex activity Tutorial / Assessment Quiz.	“
	19/09/2024	Thursday	2:00 p.m.-5:00 p.m.	<b>Muscle Physiology;</b> Introduction	Prof. Kimwele
4.	24/09/2024	Tuesday	9:00 a.m.-10:00 a.m.	Classification, Contraction mechanisms	
			10:30 a.m.-12:30 p.m.	Relaxation mechanisms, muscle mechanics, muscle spindle	“
	25/09/2024	Wednesday	8:00 a.m.-10:00 a.m.	Muscle reflexes etc Tutorial/ Assessment quiz	
	26/09/2024	Thursday	2:00 p.m.-5:00 p.m.	<b>Body fluids:</b> classification, composition, functions and fluid	Dr. Kaluwa
	01/10/2024	Tuesday	9:00 a.m.-10:00 a.m.	B. fluid regulation	“

			10:30 a.m.-12:30 p.m.	B. fluid regulation Tutorial/Assessment Quiz	“
	02/10/2024	Wednesday	8:00 a.m.-10:00 a.m.	<b>Blood formation</b> , composition and functions	Dr. Ochwang’i
	03/10/2024	Thursday	2:00 p.m.-5:00 p.m.	<b>CAT 1</b>	Dr. Ochwang’i/Dr. Kipkoech
6.	08/10/2024	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.	Hemoglobin, Hemostasis, blood groups Tutorial/Assessment Quiz	“
	09/10/2024	Wednesday	8:00 a.m.-10:00 a.m.	Blood pumping mechanism (Hemodynamics),	“
	<b>10/10/2024</b>	<b>Thursday</b>	<b>2:00 p.m.-5:00 p.m.</b>	<b>Public Holiday</b>	<b>ALL</b>
7.	15/10/2024	Tuesday	9:00 a.m.-10:00 a.m.	Regulation of cardiac output and blood pressure	Dr. Ochwang’i
			10:30 a.m.-12:30 p.m.	Avian cardiovascular systems	“
	16/10/2024	Wednesday	8:00 a.m.-10:00 a.m.	Fish cardiovascular systems Tutorial/Assessment Quiz	“
	17/10/2024	Thursday	2:00 p.m.-5:00 p.m.	<b>Comparative Respiratory Physiology</b> Air conditioning and pulmonary ventilation,	Dr. Wambugu
8.	22/10/2024	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	“
	23/10/2024	Wednesday	8:00 a.m.-10:00 a.m.	Regulation of respiration	“
	24/10/2024	Thursday	2:00 p.m.-5:00 p.m.	Regulation of respiration	“
9.	29/10/2024	Tuesday	9:00 a.m.-10:00 a.m.	Regulation of respiration	“
			10:30 a.m.-12:30 p.m.	Comparative respiration Avian and fish <b>Tutorial/ Assessment Quiz</b>	“ Dr. Wambugu/Dr. Kipkoech
	30/10/2024	Wednesday	8:00 a.m.-10:00 a.m.	<b>Renal Physiology</b> Introduction to renal tubule, Functional organization, glomerular filtration and tubular	Dr. Kaluwa
	31/10/2024	Thursday	2:00 p.m.-5:00 p.m.	Urine formation, micturition reflex buffer systems,	“
10.	05/11/2024	Tuesday	9:00 a.m.-10:00 a.m. 10.30 a.m -12.30 a.m	Acid base balance	
	06/11/2024	Wednesday	8:00 a.m.-10:00 a.m.	Buffer systems, acid base balance, <b>Tutorial/ Assessment</b>	Dr. Kaluwa

	07/11/2024	Thursday	2:00 p.m.-5:00 p.m.	<b>CAT 2</b>	Drs. Kaluwa/ Nyongesa/Kipkoech
11.	12/11/2024	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	“
	13/11/2024	Wednesday	8:00 a.m.-10:00 a.m.	Thermoregulation	“
	14/11/2024	Thursday	2:00 p.m.-5:00 p.m.	Energy Metabolism Tutorial/Assessment Quiz	“
12.	19/11/2024	Tuesday	9:00 a.m.-10:00 a.m.	<b>Endocrinology</b> - introduction, Modes of hormone action “Hypothalamus and pituitary gland	Dr. Nyongesa
			10:30 a.m.-12:30 p.m.		
	20/11/2024	Wednesday	8:00 a.m.-10:00 a.m.	Growth, thyroid, parathyroid, pancreatic, adrenal	“
13.	21/11/2024	Thursday	2:00 p.m.-5:00 p.m.	Pancreas endocrine, exocrine <b>Tutorial/Assessment Quiz</b>	Dr. Nyongesa/Dr. Kipkoech
	26/11/2024	Tuesday	9:00 a.m.-10:00 a.m.	<b>Monogastric digestion</b>	“
			10:30 a.m.-12:30 p.m.		
	27/11/2024	Wednesday	8:00 a.m.-10:00 a.m.	Reabsorption mechanisms Hormonal regulation of digestion	“
28/11/2024	Thursday	2:00 p.m.-5:00 p.m.	Hormonal regulation of digestion	“	
14 & 15	02/12/2024- 13/12/2024	<b>EXAMINATIONS</b>			

Approved:   
Chairman, Department of Veterinary Anatomy & Physiology

Date: 05/08/2024