

**UNIVERSITY OF NAIROBI**  
**FACULTY OF VETERINARY MEDICINE**  
**DEPARTMENT OF VETERINARY ANATOMY AND PHYSIOLOGY**  
**FIRST SEMESTER TEACHING TIMETABLE 2022/2023**

**BACHELOR OF VETEINARY MEDICINE YEAR ONE**

**JVP 101 PHYSIOLOGY I**

<b>WEEK</b>	<b>DATE</b>	<b>DAY</b>	<b>TIME</b>	<b>TOPIC</b>	<b>LECTURER</b>
1.	04/10/2022	Tuesday	9:00 a.m. - 10:00 a.m.	<b>Introduction to Physiology</b>	Dr. Towett
			10:30 a.m. - 12:30 p.m.	<b>Cell Physiology and biophysics:</b> Cell structure and functions	“
	05/10/2022	Wednesday	8:00 a.m. - 10:00 a.m.	<b>Membrane Properties</b> and transport mechanisms	“
	06/10/2022	Thursday	2:00 - 5 p.m.	Membrane Properties and transport mechanisms Tutorial/Assessment Quiz	Dr. Towett
2.	11/10/2022	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.	<b>Tutorial/Assessment Quiz</b>	“
	12/10/2022	Wednesday	8:00 a.m. - 10:00 a.m.	<b>Body fluids:</b>	Dr. Kaluwa
	13/10/2022	Thursday	2:00 p.m. - 5:00 p.m.	B. fluid regulation	“
3.	18/10/2022	Tuesday	9:00 a.m.-10:00 a.m.	B. fluid regulation	“
			10:30 a.m.-12:30 p.m.	B. fluid regulation <b>Tutorial/Assessment Quiz</b>	“
	19/10/2022	Wednesday	8:00 a.m. - 10:00 a.m.	<b>Neurophysiology:</b> Introduction, nerve stimulation, conduction , synapses etc.	Dr. Towett
	<b>20/10/2022</b>	<b>Thursday</b>		<b>Public holiday</b>	
4.	25/10/2022	Tuesday	9:00 a.m. - 10:00 a.m.	Sensory organs: somatic	“
			10:30 a.m. - 12:30 p.m.	spinal cord, sensory and motor cortices, ascending and descending tracts Autonomic nervous	“
	26/10/2022	Wednesday	8:00 a.m. - 10:00 a.m.	<b>Neurophysiology:</b> Introduction, nerve stimulation, conduction , synapses etc.	“
	27/10/2022	Thursday	2:00 p.m. - 5:00 p.m.	Pain Physiology, reflex activity Tutorial / Assessment Quiz	“
5.	01/11/2022	Tuesday	9:00 a.m. - 10:00 a.m.	<b>Muscles:</b> classification,	Prof. Kimwele
			10:30 a.m. - 12:30 p.m.	Muscle mechanics, muscle spindle, reflexes	“

	02/11/2022	Wednesday	8:00 a.m. - 10:00 a.m.	Muscle physiology: Classification, contraction/relaxation mechanism,	“
	03/11/2022	Thursday	2:00 p.m. - 5:00 p.m.	<b>Muscle mechanics</b> , muscle spindle, reflexes Tutorial/ Assessment quiz	“
6.	08/11/2022	Tuesday	9:00 a.m. - 10:00 a.m.	<b>Blood formation</b> , composition	Dr. Ochwang'i
			10:30 a.m. - 12:30 p.m.	Blood formation, composition and functions Hemostasis, blood groups	“
	09/11/2022	Wednesday	8:00 a.m. - 10:00 a.m.	Haemoglobin, Hemostasis, blood groups Tutorial/Assessment Quiz	“
	<b>10/11/2022</b>	<b>Thursday</b>	2:00 p.m. - 5:00 p.m.	<b>C.A.T. 1</b>	<b>Dr. Ochwangi Wambugu</b>
7.	15/11/2022	Tuesday	9:00 a.m. - 10:00 a.m.	Blood pumping mechanism (Hemodynamics),	Dr. Ochwangi
			10:30 a.m. - 12:30 p.m.	Regulation of cardiac output and blood pressure	“
	16/11/2022	Wednesday	8:00 a.m. - 10:00 a.m.	Avian cardiovascular systems	“
	17/11/2022	Thursday	2:00 p.m. - 5:00 p.m.	Fish cardiovascular systems Tutorial/Assessment Quiz	“
8.	22/11/2022	Tuesday	9:00 a.m. - 10:00 a.m.	<b>Comparative Respiratory Physiology</b> Air conditioning and pulmonary ventilation,	Dr. Wambugu
			10:30 a.m. - 12:30 p.m.	Lung volume and capacities	“
	23/11/2022	Wednesday	8:00 a.m. - 10:00 a.m.	Alveolar gaseous exchange and blood-gas <b>transport</b>	“
	24/11/2022	Thursday	2:00 p.m. - 5:00 p.m.	Regulation of respiration	“
	9.	29/11/2022	Tuesday	9:00 a.m. - 10:00 a.m.	Regulation of respiration
10:30 a.m. - 12:30 p.m.				Regulation of respiration	“
30/11/2022		Wednesday	8:00 a.m. - 10:00 a.m.	Comparative respiration Avian and fish Tutorial/ assessment Quiz	“
01/12/2022		Thursday	2:00 p.m. - 5:00 p.m.	<b>Renal Physiology</b> Functional organization, glomerular filtration and tubular function Osmoregulation.	Dr. Kaluwa
10.	06/12/2022	Tuesday	9:00 a.m. - 10:00 a.m.	Urine formation, micturition reflex buffer systems,	“
			10:30 a.m. - 12:30 p.m.	Acid base balance	“

	07/12/2022	Wednesday	8:00 a.m. - 10:00 a.m.	buffer systems, acid base balance,	“
	<b>08/12/2022</b>	<b>Thursday</b>	<b>2:00 -5-:00 p.m.</b>	<b>C.A.T.</b>	<b>Drs. Kaluwa Nyongesa</b>
11.	13/12/2022	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	“
	14/12/2022	Wednesday	8:00 a.m. - 10:00 a.m.	Thermoregulation & Energy	“
	15/12/2022	Thursday	2:00 p.m. - 5:00 p.m.	Thermoregulation & Energy Metabolism	“
12.	10/01/23	Tuesday	9:00 a.m. - 10:00 a.m.	<b>Endocrinology-</b> introduction, Modes of hormone action “Hypothalamus and pituitary	Dr. Nyongesa
			10:30 a.m. - 12:30 p.m.		
	11/01/23	Wednesday	8:00 a.m. - 10:00 a.m.	Growth, thyroid, parathyroid, pancreatic, adrenal	“
13.	12/01/23	Thursday	2:00 p.m.-5:00 p.m.	Pancreas endocrine, exocrine Tutorial/Assessment Quiz	“
	17/01/2022	Tuesday	9:00 a.m.-10:00 a.m.	<b>Monogastric digestion</b>	“
			10:30 a.m.-12:30 p.m.		
	18/01/2022	Wednesday	8:00 a.m.-10:00 a.m.	Reabsorption mechanisms Hormonal regulation of	“
	19/01/23	Thursday	2:00 p.m.-5:00 p.m.	Hormonal regulation of	“
14 & 15	23/01/23-03/02/2022	<b>EXAMINATIONS</b>			

Approved:



Chairman, Dept. of Veterinary Anatomy & Physiology

25/08/2022

Date