



**UNIVERSITY OF NAIROBI FACULTY
 OF VETERINARY MEDICINE
 DEPARTMENT OF VETERINARY ANATOMY AND PHYSIOLOGY
 1ST SEM. LECTURE SCHEDULE FOR B.VET.MED. I, 2021/2022 ACADEMIC YEAR
 20th September 2021 –31st January 2022
 Teaching: 04th Oct. 2021 – 17th Dec 2021
 Teaching 3rd January to 14th January 2022
 Exams: 17th to 31st January 2022.
JVP 101: PHYSIOLOGY I**

We	Date	Day	Time	Topic	Lecturer
1	20 th – 24 th Sept. 2021			Orientation	All
2	27 th Sept-1 st Oct. 2021			ICT training	ICT staff
3	05/10/21	Tue	9-10	Introduction to Physiology	Prof. Mathiu
			10.30-12.30	Cell Physiology and biophysics: Cell structure and functions	“
	06/10/21	Wed	8-10	Membrane Properties and transport mechanisms	“
	07/10/21	Thur	2-5	Homeostatic Mechanisms	“
4	12/10/21	Tue	9-10	Homeostatic mechanisms	“
			10.30-11.30	Control systems of the body: Positive and negative feedback mechanisms.	“
			11.30-12.30	Tutorial/Assessment Quiz	“
	13/10/21	Wed	8-10	Body fluids: classification, composition, functions and fluid movements	Dr. Kaluwa
	14/10/21	Thur	2-5	B. fluid regulation	Dr. Kaluwa
5	19/10/21	Tue	9-10	B. fluid regulation	“
			10.30-12.30	B. fluid regulation Tutorial/Assessment Quiz	“
	20/10/21	Wed	8-10	Public holiday	
	21/10/21	Thur	2-5	Neurophysiology: Introduction, nerve stimulation, conduction, Synapses etc.	Dr. Towett
				Sensory organs: somatic and special sense organs (eye and ear)	“

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				spinal cord, sensory and motor cortices, ascending and descending tracts	
				Autonomic nervous system: sympathetic and parasympathetic trunks	“
6	26/10/21	Tue	9-10	Pain Physiology	“
			10.30-11.30	Reflex activity	“
			11.30-12.30	“	“
	27/10/21	Wed	8-10	sympathetic and parasympathetic trunks	Dr. Towett
	28/10/21	Thu	2-4 4-5	Pain physiology, Reflex activity Tutorial / Assessment Quiz	Dr. Towett
7	02/11/21	Tue	9-10	Muscle physiology: Classification, contraction/relaxation mechanism, contraction/relaxation	Prof. Kimwele
			10.30-11.30	Muscle mechanics, muscle spindle, reflexes etc	“
			11.30-	Muscle mechanics,	“
	03/11/21	Wed	8-10	Muscle mechanics	Prof. Kimwele
	03/11/21	Wed	2-5	Continuous Assessment Test 1	Dr. Ochwangi/ Dr. Wambugu / Mr. Irungu
	4/11/21	Thu	2-5	Tutorial Assessment Quiz	Prof. Kimwele
8	09/11/21	Tue	9-10	Blood formation, composition and functions.	Dr. Ochwangi
			10.30-11.30	Haemoglobin, Hemostasis, blood groups	“
			11.30-12.30	Blood formation, composition and	“
	10/11/21	Wed	8-10	Haemoglobin, Hemostasis, blood groups	
	11/11/21	Thur	2-5	Blood formation, composition and function tutorial/ Assessment Quiz	Dr. Ochwangi
9	16/11/21	Tue	9-10	Comparative cardiovascular physiology-The heart, myocardial stimulation and contraction, pulmonary and systemic	Dr. Nyongesa
			10.30-	Hemodynamics, regulation of cardiac	“

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			12.30		
	17/11/21	Wed	8-10	Blood pumping	“
	18/11/21	Thur	2-4	Avian and fish cardiovascular systems	“
			4-5	Tutorial/Assessment Quiz	“
10	23/11/21	Tue	9-10	Comparative Respiratory Physiology	Dr. Wambugu
			10.30-12.30	Air conditioning and pulmonary ventilation, lung volume and capacities	“
	24/11/21	Wed	8-10	Alveolar gaseous exchange and blood-gas transport	“
	25/11/21	Thur	2-5	Regulation of respiration	“
11	30/11/21	Tue	9-10	Comparative respiration: Avian and fish	“
			10.30-11.30	“	“
			11.30-12.30	Tutorial/Assessment Quiz	“
	01/12/21	Wed	8-10	Renal physiology: Functional organization, glomerular filtration and tubular function	Dr. Kaluwa
	02/12/21	Thur	2-5	“	“
12	07/12/21	Tue	9-10	Urine formation, micturition reflex	
			10.30-11.30	Osmoregulation	“
	08/12/21	Wed	8-9	Buffer systems and acid base balance	“
			9-10	Tutorial/Assessment Quiz	“
	09/12/21	Thur	2-5	Continuous Assessment Test 2	Dr. Nyongesa/ Dr. Kaluwa
13	14/12/21	Tue	9-10	Adaptation to Environment	Prof. Mathiu
			10.30-12.30	“	“
	15/12/21	Wed	8-9	Thermoregulation & Energy Metabolism	“
			9-10	Tutorial/Assessment Quiz	“
	16/12/21	Thur	2-5	Endocrinology- introduction, Modes of hormone action	Prof. Oduma
14	04/01/22	Tue	9-10	Hypothalamus and pituitary gland	“
			10.30-	“	“

			12.30		
	05/01/22	Wed	8-10	Growth, thyroid, parathyroid, pancreatic, adrenal	“
	06/01/22	Thur	2-4	Pancreas: Endocrine and Exocrine	“
			4-5	Tutorial/Assessment Quiz	“
15	11/01/22	Tue	8-10am	Revision	
			10.30 to 12.30	Revision	
	12/01/22	Wed	8-10am	Revision	
	13/01/22	Thur	2-5pm	Revision	
16 & 17	17/01/2022 to 31/01/2022			First Semester University Examinations	All

Approved:
 Ag. Chairman, Dept. Vet. Anatomy & physiology

Date: 07/09/2021
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