

UNIVERSITY OF NAIROBI
DEPARTMENT OF VETERINARY ANATOMY AND PHYSIOLOGY
FIRST SEMESTER TEACHING SCHEDULE FOR BVM I, 2014/2015
JVP 101 –PHYSIOLOGY

Week	Date	Day	Time	Topic	Lecturer
1	13-17/1/14			Orientation	
2	21/1	Tue	8-10	Introduction to Physiology /practicals	Dr. Miaron
			10.30-12.30	Physiology- Relation to Vet Medicine and other disciplines	“
	22/1	Wed	8-10	Cell: structures and functions	“
	23/1	Thur	2-5	”	“
3	28/1	Tue	8-10	Biophysics- Membrane Properties and transport mechanisms	“
			10.30-11.30	“	“
			11.30-12.30	Homeostasis	
	29/1	Wed	8-10	“	“
	30/1	Thur	2-5	Tutorial- cell and homeostasis	“
	4	4/2/2014	Tue	8-10	Body fluids: classification, composition, functions and fluid movements
10.30-12.30				“	“
5/2		Wed	8-10	Body fluid volume regulation	“
6/2		Thur	2-5	Blood: composition, functions and hemostasis	“
5	11/2	Tue	8-9	Blood groups	“
				Tutorial- Body fluids	“
			10.30-12.30	Renal function: glomerular filtration, urine formation, micturition etc.	Dr Nyongesa
	12/2	Wed	8-10	“	“
	13/2	Thur	2-5	“	“
6	18/2	Tue	8-10	Buffer systems and acid-base balance	“
			10.30-11.30	“	“
			11.30-12.30	Tutorial-Renal function	“
	19/2	Wed	8-10	Sensory physiology:	Dr Towett

				Introduction	
	20/2	Thur	2-5	Stimulation, impulse propagation, synapses etc	“
7	25/2	Tue	8-10	“	“
			10.30-12.30	Sensory tracts and sensory cortex	“
	26/2	Wed	8-10	Motor cortex and motor tracts	“
	27/2	Thur	2-4	Special sense organs: Eye and ear	“
			4-5	Tutorial- Sensory physiology	“
8	4/3/2014	Tue	8-10	Muscle: classification, contraction, biomechanics and reflexes	Dr Kimwele
			10.30-12.30	Continuous Assessment Test	Dr Towett/Nyongesa
	5/3	Wed	8-10	Muscle: classification, contraction, biomechanics and reflexes	Dr Kimwele
	6/3	Thur	2-4	“	“
			4-5	Tutorial-Muscle Physiology	“
9	11/3	Tue	8-10	Respiration: Air conditioning and pulmonary ventilation	Dr Wambugu
			10.30-12.30	Alveolar gaseous exchange and blood gas transport	“
	12/3	Wed	8-10	Regulation of respiration	“
	13/3	Thur	2-4	Comparative respiration: avian, fish	“
				4-5	Tutorial- respiration
10	18/3	Tue	8-10	Cardiovascular Physiology: myocardial stimulation and contraction	Prof Maloiy
			10.30-12.30	Blood pumping mechanism	“
	19/3	Wed	8-10	Regulation of cardiac output and blood pressure	“
	20/3	Thur	2-5	Cardiovascular systems in avian and fish	“
11	25/3	Tue	8-10	“	“
			10.30-12.30	“	“
	26/3	Wed	8-9	Tutorial- Cardiovascular system	“
			9-10	Thermoregulation and integument	Dr Ochwang’i
	27/3	Thur	2-5	“	“

12	1/4/2014	Tue	8-10	“	“
			10.30-12.30	Tutorial- Cardiovascular Physiology	“
	2/4	Wed	8-10	Endocrinology: Introduction	Dr Kaluwa
	3/4	Thur	2-5	Hypothalamus and pituitary	“
13	8/4	Tue	8-10	Modes of hormone action	
			10.30-12.30	Growth, thyroid, parathyroid, pancreatic, adrenal hormones etc.	“
	9/4	Wed	8-10	“	“
	10/4	Thur	2-4	“	“
4-5			Tutorial- endocrinology	“	
14	15/4	Tue	8-10	Digestion- monogastric animals	Dr Oduma
			10.30-12.30	“	“
	16/4	Wed	8-10	“	“
	17/4	Thur	2-4	“	“
			4-5	Tutorial- Monogastric animals	“
15	22/4			Revision	
16	28/4 - 3/5/14			First Semester Examinations	

Approved:Dr. C. N. Kimwele.....

Date:14th January 2014.....

(Chairman, Dept. Vet. Anatomy & Physiology)