

UNIVERSITY OF NAIROBI  
DEPARTMENT OF VETERINARY ANATOMY AND PHYSIOLOGY  
FIRST SEMESTER TEACHING SCHEDULE FOR BVM 1, 2016-2017

JVP103: - LABORATORY TECHNIQUES & PRACTICE

Week	Date	Day	Time	Topic	Lecturer
0	5 <sup>th</sup> – 11 <sup>th</sup> , 9/2016			<b>Orientation</b>	Chairman, DVAP
1	14/9/16	Wed	12.30 – 1.30	General Lab design: Ventilation, safeguards, drainage	Dr. Towett
	16/9	Fri	8 - 10	“	“
2	21/9	Wed	12.30 – 1.30	Specialized Labs: Radioactive, diagnostic, tissue culture, molecular biology	Prof. Oduma
	23/9	Fri	8 - 10	“	“
3	28/9	Wed	12.30 – 1.30	“	“
	30/9	Fri	8 - 10	Lab safety & maintenance: Periodic/routine maintenance	Mr. Mugweru
4	5/10	Wed	12.30 – 1.30	Cleaning & storage of glassware, plastics	Dr. Kaluwa
	7/10	Fri	8 - 10	Personal protective equipment & safety: Warning signs & symbols	Dr. Kaluwa/Mr. Irungu
5	12/10	Wed	12.30 – 1.30	Electrical & fire safety, safe use & storage of chemicals, biosafety equipment	“
	14/10	Fri	8 - 10	“	“
6	19/10	Wed	12.30 – 1.30	Lab waste management & disposal systems	Prof. Mathiu
	21/10	Fri	8 - 10	Principle of weighing & measurements: Calibration, graduation. Standard solutions & buffers	“
7	26/10	Wed	12.30 – 1.30	General lab techniques: pipetting, temperature measurements, measurements of mass & volumes	Prof. Mathiu/Mr. Tsuma
	28/10	Fri	8 - 10	<b>Continuous assessment test 1</b>	<b>Prof. Mathiu/Oduma</b>
8	2/11	Wed	12.30 – 1.30	Biochemical techniques – Chromatography, electrophoresis, Spectrophotometry	Dr. Ochwang'i
	4/11	Fri	8 - 10	“	“
9	9/11	Wed	12.30 – 1.30	Physiological techniques – Spirometry, osmometry, flame photometry	Dr. Towett
	11/11	Fri	8 - 10	Quality assurance & quality control: SOPs, standard curves	Prof. Oduma
10	16/11	Wed	12.30 – 1.30	Physiological techniques – Spirometry, osmometry, flame photometry	Dr. Towett
	18/11	Fri	8 - 10	Sterilization methods: use & maintenance of ovens, fridges, freezers, water purification	Dr. Wambugu/Ms. Kagina

11	23/11	Wed	12.30 – 1.30	“	“
	25/11	Fri	8 - 10	<b>Continuous Assessment Test 2</b>	<b>Dr. Wambugu/Ochwang’i.</b>
12	30/11	Wed	12.30 – 1.30	Lab Animal Science: Introduction to principles of animal care, welfare & use	Dr. Nyongesa
	2/12	Fri	8 - 10	“	“
13	7/12	Wed	12.30 – 1.30	Handling of laboratory animals, Conduct of minor procedures: blood collection, drug administration	Dr. Nyongesa/Ms. Ngaywa
	9/12	Fri	8 - 10	Humane methods of killing experimental animals	Dr. Wambugu/Mr. Kamonde
14 & 15	13/12/16 to 23/12/16			<b>First Semester Examination</b>	

Approved: ..... Date: .....

(Chairman, Dept. Vet. Anatomy & physiology)

8/9/2016