



**UNIVERSITY OF NAIROBI FACULTY
 OF VETERINARY MEDICINE
 DEPARTMENT OF VETERINARY ANATOMY AND PHYSIOLOGY
 1ST SEM. LECTURE SCHEDULE FOR B.VET.MED. I, 2020/2021 ACADEMIC YEAR
 31TH AUGUST 2020-30TH JANUARY 2021
 Teaching: 21st Sept. 2020-11th Dec. 2020
 Exams: 11/1/2021-30/1/2021**

JVP 103: LABORATORY TECHNIQUES & PRACTICE

Week	Date	Day	Time	Topic	Lecturer
1	31st August – 6th Sept. 2020			Orientation	All
2&3	7th September-20th Sept. 2020			ICT training	ICT staff
4	22/9/20	Tue	8-9	General Lab design: Ventilation, safeguards, drainage	Dr. Towett
	25/9	Fri	8 - 10	“	“
5	29/9	Tue	8-9	Specialized Labs: Radioactive, diagnostic, tissue culture, molecular biology	Prof.Kimwele
	2/10	Fri	8 - 10	“	“
6	6/10	Tue	8-9	Lab safety & maintenance: Periodic/routine maintenance	Mr. Mugweru
	9/10	Fri	8 - 10	Cleaning & storage of glassware, plastics	Dr. Kaluwa
7	13/10	Tue	8-9	Personal protective equipment & safety: Warning signs & symbols	Dr. Kaluwa/Mr. Irungu
	16/10	Fri	8 - 10	Electrical & fire safety, safe use & storage of chemicals, biosafety equipment	“
8	20/10	Tue	8-9	Lab waste management & disposal systems	Prof. Mathiu
	23/10	Fri	8 - 10	Continuous Assessment Test 1	Prof. Mathiu/Dr. Ochwang’i
9	27/10	Tue	8-9	Principle of weighing & measurements: Calibration, graduation. Standard solutions & buffers	Prof. Mathiu
	30/10	Fri	8-10	General lab techniques: pipetting, temperature measurements, measurements	Prof. Mathiu/Mr. Tsuma

				of mass & volumes	
10	3/11	Tue	8-9	Biochemical techniques – Chromatography, electrophoresis, Spectrophotometry	Dr. Ochwang'i
	6/11	Fri	8 - 10		“
11	10/11	Tue	8-9	Physiological techniques – Spirometry, osmometry, flame photometry	Prof. Oduma
	13/11	Fri	8 - 10	“	“
12	17/11	Tue	8-9	Quality assurance & quality control: SOPs, standard curves	Prof. Oduma
	20/11	Fri	8 - 10	“	“
13	24/11	Tue	8-9	Sterilization methods: use & maintenance of ovens, fridges, freezers, water purification	Dr. Wambugu/Ms. Kagina
	27/11	Fri	8 - 10	Continuous Assessment Test 2	Prof.Oduma/Dr. Wambugu
14	1/12	Tue	8-9	Lab Animal Science: Introduction to principles of animal care, welfare & use	Dr. Nyongesa
	4/12	Fri	8 - 10	Handling of laboratory animals, Conduct of minor procedures: blood collection, drug administration	Dr. Nyongesa/Ms. Ngaywa
15	8/12	Tue	8-9	“	“
	11/12	Fri	8 - 10	Humane methods of killing experimental animals	Dr. Wambugu/Mr. Kamonde
16,17& 18	11/01/2021 to 30/01/2021			First Semester University Examinations	All

Approved: ... Date: ...07/09/2020.....
 (Chairman, Dept. Vet. Anatomy & physiology)