



**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 January 2022
Exams: 17th to 31st January 2022

JVP 103: LABORATORY TECHNIQUES & PRACTICE

Week	Date	Day	Time	Topic	Lecturer
1	20 th to 24 th September 2021			Orientation	All
2	27 th Sept. to 1 st Oct. 2021			ICT training	ICT staff
3	05/10/21	Tue	8-9	General Lab design: Ventilation, safeguards, drainage	Dr. Towett
	08/10/21	Fri	8 - 10	“	“
4	12/10/21	Tue	8-9	Specialized Labs: Radioactive, diagnostic, tissue culture, molecular biology	Prof. Kimwele
	15/10/21	Fri	8 - 10	“	“
5	19/10/21	Tue	8-9	Lab safety & maintenance: Periodic/routine maintenance	Mr. Mugweru
	22/10/21	Fri	8 - 10	Cleaning & storage of glassware, plastics	Dr. Kaluwa / Mr. Kwoba
6	26/10/21	Tue	8-9	Personal protective equipment & safety: Warning signs & symbols	Dr. Kaluwa /Mr. Kwoba
	29/10/21	Fri	8 - 10	Electrical & fire safety, safe use & storage of chemicals, biosafety equipment	“
7	02/11/21	Tue	8-9	Lab waste management & disposal systems	Prof. Mathiu Mr. Irungu
	05/11/21	Fri	8 - 10	Continuous Assessment Test 1	Prof. Mathiu/ Dr. Ochwang'i
8	09/11/21	Tue	8-9	Principle of weighing & measurements: Calibration, graduation. Standard solutions & buffers	Prof. Mathiu Mr. Irungu
	12/11/21	Fri	8-10	General lab techniques: pipetting, temperature measurements, measurements	Prof. Mathiu/ Mr. Irungu

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				of mass & volumes	
9	16/11	Tue	8-9	Biochemical techniques – Chromatography, electrophoresis, Spectrophotometry	Dr. Ochwang'i
	19/11	Fri	8 - 10		“
10	23/11	Tue	8-9	Physiological techniques – Spirometry, osmometry, flame photometry	Prof. Oduma
	26/11	Fri	8 - 10	“	“
11	30/11	Tue	8-9	Quality assurance & quality control: SOPs, standard curves	Prof. Oduma
	03/12	Fri	8 - 10	“	“
12	7/12	Tue	8-9	Sterilization methods: use & maintenance of ovens, fridges, freezers, water purification	Dr. Wambugu/ Mr. Tsuma
	10/12	Fri	8 - 10	Continuous Assessment Test 2	Prof. Kimwele/ Dr. Wambugu
13	14/12	Tue	8-9	Lab Animal Science: Introduction to principles of animal care, welfare & use	Dr. Nyongesa
	17/12	Fri	8 - 10	Handling of laboratory animals, Conduct of minor procedures: blood collection, drug administration	Dr. Nyongesa/ Ms. Ngaywa
14	04/01/22	Tue	8-9	“	“
	07/01/22	Fri	8 - 10	Humane methods of killing experimental animals	Dr.Wambugu / Mr. Tsuma
15	11/01/22	Tue	8-9	Revision	
	14/01/22	Wed	8-10	Revision	
16 & 17	17/01/2022 to 31/01/2022			First Semester University Examinations	All

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

Date: 07/01/2022

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