



**UNIVERSITY OF NAIROBI**  
**FACULTY OF VETERINARY MEDICINE**  
**DEPARTMENT OF VETERINARY ANATOMY AND PHYSIOLOGY**  
**FIRST SEMESTER LECTURE SCHEDULE FOR BACHELOR OF VETERINARY MEDICINE I, 2021/ 2022**

**JVP 103: LABORATORY TECHNIQUES & PRACTICE**

Week	Date	Day	Time	Topic	Lecturer
<b>1</b>	<b>20<sup>th</sup> to 24<sup>th</sup> September 2021</b>			<b>Orientation</b>	All
<b>2</b>	<b>27<sup>th</sup> Sept. to 1<sup>st</sup> Oct. 2021</b>			<b>ICT training</b>	<b>ICT staff</b>
<b>3</b>	05/10/21	Tue	8:00 am - 9:00 am	General Lab design: Ventilation,safeguards,	Dr. Towett
	08/10/21	Fri	8:00 am -10:00 am	....."	....."
<b>4</b>	12/10/21	Tue	8:00 am - 9:00 am	Specialized Labs: Radioactive, diagnostic, tissue culture, molecular biology	Prof. Kimwele
	15/10/21	Fri	8:00am -10:00 am	....."	....."
<b>5</b>	19/10/21	Tue	8:00 am - 9:00 am	Lab safety & maintenance: Periodic/routine maintenance	Mr. Mugweru
	22/10/21	Fri	8:00 am -10:00 am	Cleaning & storage of glassware, plastics	Dr. Kaluwa / Mr. Kwoba
<b>6</b>	26/10/21	Tue	8:00 am - 9:00 am	Personal protective equipment & safety: Warning signs & symbols	Dr. Kaluwa / Mr. Kwoba
	29/10/21	Fri	8:00 am -10:00 am	Electrical & fire safety, safe use & storage of chemicals, biosafety equipment	....."
<b>7</b>	02/11/21	Tue	8:00 am - 9:00 am	Lab waste management & disposal systems	Prof. Mathiu Mr. Irungu
	05/11/21	Fri	8:00 am -10:00 am	<b>Continuous Assessment Test 1</b>	<b>Prof. Mathiu Dr. Ochwang'i</b>
<b>8</b>	09/11/21	Tue	8:00 am - 9:00 am	Principle of weighing & Measurements: Calibration, graduation. Standard solutions & buffers	Prof. Mathiu Mr. Irungu
	12/11/21	Fri	8:00 am - 10:00 am	General lab techniques: pipetting, temperature measurements, measurements of mass & volumes	Prof. Mathiu / Mr. Irungu
<b>9</b>	16/11	Tue	8:00 am - 9:00 am	Biochemical techniques – Chromatography, electrophoresis,	Dr. Ochwang'i
	19/11	Fri	8:00 am -10:00 am		....."

<b>10</b>	23/11	Tue	8:00 am - 9:00 am	Physiological techniques – Spirometry, osmometry, flame photometry	Prof. Oduma
	26/11	Fri	8:00 am - 10:00 am	....."	....."
<b>11</b>	30/11	Tue	8:00 am - 9:00 am	Quality assurance & quality control: SOPs, standard curves	Prof. Oduma
	03/12	Fri	8:00 am - 10:00 am	....."	....."
<b>12</b>	7/12	Tue	8:00 am - 9:00am	Sterilization methods: use & maintenance of ovens, fridges, freezers, water purification	Dr. Wambugu / Mr. Tsuma
	10/12	Fri	8:00 am -10:00 am	<b>Continuous Assessment Test 2</b>	<b>Prof. Kimwele / Dr. Wambugu</b>
<b>13</b>	14/12	Tue	8:00 am - 9:00 am	Lab Animal Science: Introduction to principles of animal care, welfare & use	Dr. Nyongesa
	17/12	Fri	8:00 am - 10:00 am	Handling of laboratory animals, Conduct of minor procedures: blood collection, drug administration	Dr. Nyongesa / Ms. Ngaywa
<b>14</b>	04/01/22	Tue	8:00 am - 9:00am	....."	....."
	07/01/22	Fri	8:00 am - 10:00 am	Humane methods of killing experimental animals	Dr. Wambugu / Mr. Tsuma
<b>15</b>	11/01/22	Tue	8:00 am - 9:00 am	Revision	
	14/01/22	Wed	8:00 am - 10:00 am	Revision	
<b>16 &amp;17</b>	17/01/2022 to 31/01/2022			<b>First Semester University Examinations</b>	All

Approved:  
Chairman, Dept. Vet. Anatomy & physiology

Date: 29/01/2021