

**DEPARTMENT OF VETERINARY ANATOMY AND PHYSIOLOGY**

**REVISED FIRST SEMESTER TEACHING TIMETABLE YEAR 2025/2026**

**BACHELOR OF VETERINARY MEDICINE YEAR ONE**

**JVP 3103: LABORATORY TECHNIQUES AND PRACTICE**

| Week                   | Date                               | Day     | Time           | Topic                                                                                                                                   | Lecturer                  |
|------------------------|------------------------------------|---------|----------------|-----------------------------------------------------------------------------------------------------------------------------------------|---------------------------|
| 1                      | 02.09.2025                         | Tuesday | 8.00am-9.00am  | General Lab design:ventilation,safeguards,drainage                                                                                      | Dr Towett                 |
|                        | 05.09.2025                         | Friday  | 8.00am-10.00am | General Lab design:ventilation, safeguards,drainage                                                                                     | Dr Towett                 |
| 2                      | 09.09.2025                         | Tuesday | 8.00am-9.00am  | Lab safety and maintenance: routine/ periodic maintenance                                                                               | Dr Towett                 |
|                        | 12.09.2025                         | Friday  | 8.00am-10.00am | Specialized labs: radioactive, diagnostic, tissue culture, molecular biology                                                            | Prof. Kimwele/ Mr Irungu  |
| 3,4 & 5                | <b>INTERRUPTED LEARNING</b>        |         |                |                                                                                                                                         |                           |
| 6                      | 11.11.2025                         | Tuesday | 8.00am-9.00am  | Lab waste management & disposal systems                                                                                                 | Dr Wambugu/Mr Tsuma       |
|                        | 14.11.2025                         | Friday  | 8.00am-10.00am | Principle of weighing & measurements:calibrations, graduations, standard solutions & buffers                                            | Prof. Kimwele / Mr Irungu |
| 7                      | 18.11.2025                         | Tuesday | 8.00am-9.00am  | General lab techniques: pipetting, temperature, mass & volumes measurement                                                              | "                         |
|                        | 21.11.2025                         | Friday  | 8.00am-10.00am | <b>CAT 1</b>                                                                                                                            | Dr Ochwang'i / Wambugu    |
| 8                      | 25.11.2025                         | Tuesday | 8.00am-9.00am  | Biochemical techniques: chromatography, electrophoresis, spectrophotometry                                                              | Dr Ochwang'i / Mr Tsuma   |
|                        | 28.11.2025                         | Friday  | 8.00am-10.00am | Physiological techniques: spirometry, osmometry, flame photometry                                                                       | "                         |
| 9                      | 02.12.2025                         | Tuesday | 8.00am-9.00am  | Quality assurance & Quality control: SOPs, standard curves                                                                              | Dr Nyongesa / Ms Ngaywa   |
|                        | 05.12.2025                         | Friday  | 8.00am-10.00am | Lab Animal Science: animal care, welfare & use, Handling of lab animals: conduct of minor procedures                                    | "                         |
| 10                     | 09.12.2025                         | Tuesday | 8.00am-9.00am  | "                                                                                                                                       | "                         |
|                        | 12.12.2025                         | Friday  | 8.00am-10.00am | <b>Jamhuri Day</b>                                                                                                                      | ALL                       |
| 11                     | 16.12.2025                         | Tuesday | 8.00am-9.00am  | Sterilization methods: use & maintenance of ovens,fridges,freezers, water purification                                                  | Dr Wambugu / Mr Tsuma     |
|                        | 19.12.2025                         | Friday  | 8.00am-10.00am | <b>CAT 2</b>                                                                                                                            | Drs Towett, Wambugu       |
| <b>CHRISTMAS BREAK</b> |                                    |         |                |                                                                                                                                         |                           |
| 12                     | 06.01.2026                         | Tuesday | 8.00am-9.00am  | Blood collection, drug administration                                                                                                   | Dr Wambugu / Mr Tsuma     |
|                        | 09.01.2026                         | Friday  | 8.00am-10.00am | Humane methods of Killing experimental animals                                                                                          | Dr Kaluwa                 |
| 13                     | 13.01.2026                         | Tuesday | 8.00am-9.00am  | Euthanasia species-specific , Cleaning & storage of glassware, plastics, personal protective equipment& safety: warning signs & symbols | Dr Kaluwa                 |
|                        | 19.01.2026                         | Friday  | 8.00am-10.00am | Electrical and fire safety, safe use and storage of chemicals, biosafety equipment                                                      | "                         |
| 14                     | <b>FIRST SEMESTER EXAMINATIONS</b> |         |                |                                                                                                                                         |                           |
| 15                     |                                    |         |                |                                                                                                                                         |                           |

Approved for issue.....*Kaluwa*..... Date.....

