

**UNIVERSITY OF NAIROBI**  
**DEPARTMENT OF VETERINARY ANATOMY AND PHYSIOLOGY**  
**FIRST SEMESTER TEACHING TIMETABLE- 2023/2024**

**MSc. COMPARATIVE ANIMAL PHYSIOLOGY**

**JVP 6114: LABORATORY METHODS IN REPRODUCTIVE BIOLOGY AND ANIMAL MODELS**

WEEK	DATE	DAY	TIME	TOPIC	LECTURER
1	4/03/24	Monday	08:00-10:30 a.m.	Use of laboratory animals for research	Dr. Kaluwa
	06/03/24	Wednesday	10:30-12:30 p.m.	“	“
	07/03/24	Thursday	02:00-05:00 p.m.	“	“
2	11/03/24	Monday	08:00-10:30 a.m.	Captive management,	“
	13/03/24	Wednesday	10:30-12:30 p.m.	Ethical considerations and numbers	“
	14/03/24	Thursday	02:00-05:00 p.m.	“	“
3	18/03/24	Monday	08:00-10:30 a.m.	Animal models and alternative to their use,	“
	20/03/24	Wednesday	10:30-12:30 p.m.	Methods of biological sample collection	Dr. Kaluwa
	21/03/24	Thursday	02:00-05:00 p.m.	Methods of biological sample preservation	“
4	25/03/24	Monday	08:00-10:30 a.m.	“	“
	27/03/24	Wednesday	10:30-12:30 p.m.	“	Dr. Kaluwa
	28/03/24	Thursday	02:00-05:00 p.m.	“	“
5	01/04/24	Monday	08:00-10:30 a.m.	<b>Easter Monday</b>	ALL
	03/04/24	Wednesday	10:30-12:30 p.m.	Methods used in processing biological material	Dr. Kaluwa
	04/04/24	Thursday	02:00-05:00 p.m.	“	Dr. Kaluwa
6	08/04/24	Monday	08:00-10:30 a.m.	“	“
	10/04/24	Wednesday	10:30-12:30 p.m.	“	“
	11/04/24	Thursday	02:00-05:00 p.m.	Imaging techniques and ultrasound	Dr. Nyongesa
7	15/04/24	Monday	08:00-10:30 a.m.	Immunoassays techniques: ELISA, RIA	“
	17/04/24	Wednesday	10:30-12:30 p.m.	Electrophoresis, GC-MS	“
	18/04/24	Thursday	02:00-05:00 p.m.	“	“
8	22/04/24	Monday	08:00-10:30 a.m.	Genetic Manipulation	“
	24/04/24	Wednesday	10:30-12:30 p.m.	Nucleic acid techniques- DNA and RNA isolation	“
	25/04/24	Thursday	02:00-05:00 p.m.	“	“
9	29/04/24	Monday	08:00-10:30 a.m.	PCR	“
	01/05/24	Wednesday	10:30-12:30 p.m.	<b>Labour Day</b>	ALL
	02/05/24	Thursday	02:00-05:00 p.m.	SDS-PAGE and Western Blotting;	Dr. Nyongesa
10	06/05/24	Monday	08:00-10:30 a.m.	“	“
	08/05/24	Wednesday	10:30-12:30 p.m.	Cell Biology Techniques	Prof. Kimwele
	09/05/24	Thursday	02:00-05:00 p.m.	Cell culture techniques	“
11	13/05/24	Monday	08:00-10:30 a.m.	Transfection and recombinant DNA ,	“
	15/05/24	Wednesday	10:30-12:30 p.m.	Chemiluminescent Microparticle Immunoassay (CMIA)	“

	16/05/24	Thursday	02:00-05:00 p.m.	Molecular Cytogenetics Techniques	Prof. Kimwele
12	20/05/24	Monday	08:00-10:30 a.m.	Fluorescence in Situ Hybridization (FISH),	"
	22/05/24	Wednesday	10:30-12:30 p.m.	Karyotyping, Microarray	"
	23/05/24	Thursday	02:00-05:00 p.m.	Primed In Situ Labeling (PRINS), QF-PCR,	"
13	27/05/24	Monday	08:00-10:30 a.m.	Array Comparative Genomic Hybridization (CGH),	"
	29/05/24	Wednesday	10:30-12:30 p.m.	"	"
	30/05/24	Thursday	02:00-05:00 p.m.	Multiplex Litigation-Dependent Probe amplification (MLPA).	"
14 & 15	<b>03/6/24</b> <b>4/6/24</b>	<b>SECOND SEMESTER EXAMINATIONS</b>			

Approved:



Date: 20/03/2024

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Chairman, Dept. of Veterinary Anatomy and Animal Physiology