



**UNIVERSITY OF NAIROBI**  
**FACULTY OF VETERINARY MEDICINE**  
**DEPARTMENT OF VETERINARY ANATOMY AND PHYSIOLOGY**  
**2<sup>ND</sup> SEM. BSc. WILDLIFE MANAGEMENT. I, 2019/2020 ACADEMIC YEAR**

**JWL 123: ECOPHYSIOLOGY**

**LECTURES: 01/02/2021 – 30/04/2021 EXAMS: 03/05/2021 – 14/05/2021**

Week	Date	Day	Time	Topic	Lecturer
1	02/02	Tue	8-10	Introduction to eco-physiology- relation to environment	Dr. Towett
			10.30-11.30	Homeostasis and control systems	“
	03/02	Wed	10.30-12.30	“	“
	05/02	Fri	8-10	Cell structures and functions	“
2-5			“	“	
2	09/02	Tue	8-10	Sensory organs and nerve structure	Dr. Wambugu
			10.30-11.30	“	“
	10/02	Wed	10.30-12.30	Impulse conduction and synaptic transmission	“
	12/02	Fri	8-10	“	“
			2-5	Autonomic nervous system	“
3	16/02	Tue	8-10	Special senses (eye, ear)	“
			10.30-11.30	Ascending/descending tracts	“
	17/02	Wed	10.30-12.30	Cerebral cortex	“
	19/02	Fri	8-10	Muscle classification and functions	Prof. Kimwele
			2-5	“	“
4	23/02	Tue	8-10	“	“
			10.30-11.30	Muscle- Biomechanics	“
	24/02	Wed	10.30-12.30	“	“

	26/02	Fri	8-10	Body fluids: classification, functions and volume regulation	Dr. Kaluwa
			2-5	“	
5	02/03	Tue	8-10	“	“
			10.30-11.30	Renal Physiology	Dr. Ochwang’i
	03/03	Wed	10.30-12.30	<b>CAT 1</b>	<b>Prof.Kimwele/Dr. Wambugu</b>
	05/03	Fri	8-10	Renal Physiology	Dr. Ochwang’i
2-5			“	“	
6	09/03	Tue	8-10	Blood, Cardiac function and hemodynamics	“
			10.30-11.30	“	“
	10/03	Wed	10.30-12.30	“	“
	12/03	Fri	8-10	“	“
			2-5	Respiration	Prof.Kimwele
7	16/03	Tue	8-10	“	“
			10.30-11.30	“	“
	17/03	Wed	10.30-12.30	Digestion- monogastric animals	Prof.Mathiu
	19/03	Fri	8-10	“	“
2-5			Digestion-Ruminants	“	
8	23/03	Tue	8-10	“	“
			10.30-11.30	Post-absorptive utilization of nutrient	“
	24/03	Wed	10.30-12.30	“	“
	26/03	Fri	8-10	Endocrinology: pituitary and hypothalamus	Prof. Oduma
2-5			“		
9	30/03	Tue	8-10	Functions of various hormones	“
			10.30-11.30	“	“
	31/03	Wed	10.30-12.30	Reproduction- male	Dr. Nyongesa
	02/04	Fri	8-10	“	“
2-5			“	“	
10	06/04	Tue	8-10	“	“
	07/04	Wed	10.30-12.30	<b>CAT 2</b>	<b>Prof. Mathiu/ Dr.Ochwang’i</b>

	09/04	Fri	8-10 2-5	Reproduction- female “	Dr.Nyongesa “
11	13/04	Tue	8-10	Lactation and Neonatal Physiology	Prof.Oduma
			10.30-11.30	“	“
	14/04	Wed	10.30-12.30	Lactation and Neonatal Physiology	“
	16/04	Fri	8-10	“	“
2-5			“	“	
12	20/04	Tue	8-10	Integument and thermoregulation	Dr. Nyongesa
			10.30-11.30	“	“
	21/04	Wed	10.30-12.30	Adaptation to environment	“
	23/04	Fri	8-10	“	“
			2-5	“	“
13	27/04	Tue	8-10	Revision	
			10.30-11.30	“	
	28/04	Wed	10.30-12.30	Revision	
	30/04	Fri	8-10	Revision	
			2-5	Revision	
14 & 15	<b>03/05/2021-14/05/2021</b>			<b>2<sup>nd</sup> semester examinations</b>	

**Approved:**

**Date**

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**Chairman, Dept. of Veterinary Anatomy and Animal Physiology**