



REPUBLIC OF KENYA

COMPETENCY-BASED MODULAR CURRICULUM

FOR

ANIMAL HEALTH AND PRODUCTION

**KNQF LEVEL: 6
(CYCLE 3)**

PROGRAMME ISCED CODE: 0841 554A



**TVET CDACC
P.O. BOX 15745-00100 NAIROBI**

ANIMAL ANATOMY

ISCED UNIT CODE: 0912 541 04A

TVET CDACC UNIT CODE: HE/CU/AHP/CC/01/6/MA

Relationship to Occupational Standards

This unit addresses the Unit of Competency: Apply knowledge of animal anatomy

UNIT DURATION: 90 Hours

Unit Description

This unit specifies the competencies required by an animal health technologist to apply animal anatomy in animal disease management. It involves applying principles of anatomy in animal handling, applying knowledge of animal tissues and organs and applying knowledge of domestic fowl anatomy.

Summary of Learning Outcomes

By the end of this unit, the learner should be able to:

S/No	Learning Outcomes	Duration (Hours)
1.	Apply principles of anatomy in animal handling	30
2.	Apply knowledge of animal tissues and organs	30
3.	Apply knowledge of domestic fowl anatomy	30
Total		90

Learning Outcomes, Content and Suggested Assessment Methods

Learning Outcomes	Content	Suggested Assessment Methods
1. Apply principles of anatomy in animals handling	1.1. Introduction to anatomy 1.2. Definitions 1.2.1. Anatomy 1.2.2. Tissue 1.2.3. Histology	<ul style="list-style-type: none">• Practical• Project• Portfolio of evidence• Third party report

	<p>1.2.4. Positional terms</p> <p>1.2.5. Directional terms</p> <p>1.3. Branches of anatomy</p> <p>1.3.1. Myology</p> <p>1.3.2. Arthrology</p> <p>1.3.3. Osteology</p> <p>1.3.4. Neurology</p> <p>1.3.5. Angiology</p> <p>1.3.6. Splanchnology</p>	<ul style="list-style-type: none"> • Written assessment • Oral questioning
<p>2. Apply knowledge of animal tissues and organs systems</p>	<p>2.1. Animal tissues</p> <p>2.1.1. Epithelia tissues</p> <p>2.1.2. Muscular tissues</p> <p>2.1.3. Vascular tissues</p> <p>2.1.4. Nervous tissues</p> <p>2.2. Animal Organs</p> <p>2.2.1. Brain</p> <p>2.2.2. Heart</p> <p>2.2.3. Lungs</p> <p>2.2.4. Kidneys</p> <p>2.2.5. Liver</p> <p>2.3. Animals organs systems</p> <p>2.3.1. Digestive</p> <p>2.3.2. Skeletal</p> <p>2.3.3. Muscular</p> <p>2.3.4. Integumentary</p> <p>2.3.5. Reproductive</p> <p>2.3.6. Respiratory</p> <p>2.3.7. Circulatory</p> <p>2.3.8. Urinary</p> <p>2.3.9. Lymphatic</p> <p>2.3.10. Endocrine</p> <p>2.3.11. Nervous</p>	<ul style="list-style-type: none"> • Practical • Project • Portfolio of evidence • Third party report • Written assessment • Oral questioning

	2.3.12. Excretory	
3. Apply knowledge of domestic fowl anatomy	3.1.Domestic fowl digestive system 3.2.Domestic fowl reproductive system 3.3.Domestic fowl respiratory system	<ul style="list-style-type: none"> • Practical • Project • Portfolio of evidence • Third party report • Written assessment • Oral questioning

Suggested Methods of delivery

- Practical
- Projects
- Demonstrations
- Group discussion
- Direct instructions

Training resources for 25 trainees

S/No.	Category/Item	Description/ Specification	Quantity	Recommended Ratio (Item: Trainee)
	Learning materials			
1.	Projector		1	1:25
2.	Whiteboard/Smart board			1:25
3.	Desktop/computer			1:25
4.	Charts of skeletons		5	1:5
5.	Lecture/Theory room		1	1:25
6.	Laboratory	As per KVB guidelines	1	1:25
7.	Animal farm	As per KVB guidelines	1	1:25
8.	Veterinary Library		1	1:25

9.	E-Library		1	1:25
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