

APPLY KNOWLEDGE OF ANIMAL ANATOMY

UNIT CODE: 0912 551 04A

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

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, identifying animal tissues, organs and organ systems and identifying anatomical parts of the domestic fowl.

ELEMENTS AND PERFORMANCE CRITERIA

ELEMENT These describe the key outcomes which make up workplace function	PERFORMANCE CRITERIA These are assessable statements which specify the required level of performance for each of the elements <i>(Bold and italicized terms are elaborated in the range)</i>
1. Apply principles of anatomy in animal handling	1.1. Animal anatomical principles are applied as per work procedure 1.2. Positional terminology is applied as per work procedure 1.3. Directional terminology is applied as per work procedure
2. Apply knowledge of animal tissues, organs and organ systems	2.1 Animals tissues knowledge is applied as per work procedure 2.2 Animals organs knowledge is applied as per work procedure 2.3 Animals organ system knowledge is applied as per work procedure
3. Apply knowledge of domestic fowl anatomy	3.1 Domestic fowl digestive system knowledge is applied as per work procedure 3.2 Domestic fowl reproductive system knowledge is applied as per work procedure 3.3 Domestic fowl respiratory system knowledge is applied as per work procedure

RANGE

This section provides work environment and conditions to which the performance criteria apply. It allows for different work environment and situations that will affect performance.

Variable	Range
1. Animal tissues may include but are not limited to:	1.1 Epithelial 1.2 Connective 1.3 Nervous 1.4 Muscle
2. Animal organs may include but are not limited to:	2.1 Brain 2.2 Heart 2.3 Lungs 2.4 Kidneys 2.5 Liver
3. Animal organ system may include but are not limited to:	3.1 Digestive 3.2 Skeletal 3.3 Muscular 3.4 Integument 3.5 Reproductive 3.6 Respiratory 3.7 Circulatory 3.8 Immune 3.9 Lymphatic 3.10 Endocrine 3.11 Nervous 3.12 Excretory

REQUIRED KNOWLEDGE AND SKILLS

This section describes the knowledge and skills required for this unit of competency.

Required skills

The individual needs to demonstrate the following skills:

- Organizing skills
- Analytical skills
- Interpersonal skills
- Communication skills
- Evaluation skills
- Problem solving
- Critical thinking

Required knowledge

The individual needs to demonstrate knowledge of:

- Basic anatomy
- Anatomical terminologies
- Scope of anatomy

EVIDENCE GUIDE

This provides advice on assessment and must be read in conjunction with the performance criteria, required knowledge and skills range.

1. Critical aspects of competency	Assessment requires evidence that the candidate: 1.1. Identified relevant anatomical terminology as per the anatomical position. 1.2. Applied relevant anatomical terminology to daily tasks as per the workplace procedures 1.3. Identified cell types as per the workplace procedures 1.4. Identified components of an animal cell as per the workplace procedures. 1.5. Described the composition of cytoplasm as per the workplace procedures 1.6. Performed direct observation based on workplace procedures. 1.7. Outlined tissue location as per the workplace procedures
-----------------------------------	---

	1.8. Identified embryonic tissues as per the tissue location 1.10 Classified tissues as per the tissue location
2. Resource implications	The following resources must be provided: 2.1 Appropriately simulated environment where assessment can take place 2.2 Access to relevant work environment 2.3 Resources relevant to the proposed activities or tasks
3. Methods of assessment	Competency may be assessed through: 3.1 Written tests 3.2 Third party reports 3.3 Oral questioning 3.4 Interview
4. Context of assessment	Assessment could be conducted: Workplace or simulated workplace
5. Guidance information for assessment	Holistic assessment with related units in the sector