



Course Descriptor
VTMD412 Veterinary Surgery -1

Proposed Academic Year	2021 - 22	Last Reviewed Academic Year	
Course Code	VTMD412	Course Title	Veterinary Surgery -1
Credit hours	3	Level of study	Undergraduate
College / Centre	CAHS	Department	VTMD
Co-requisites		Pre-requisites	VTMD324

1. COURSE OUTLINE

The course will cover all aspects of veterinary surgery which include the use of surgical instruments and preparation of the animal for surgical, during the surgery and at recovery stage.

2. AIMS

This course aim to familiarize students with the surgery of various animal species especially cattle, sheep, goats, camel horses, dogs & cats. The lecture topics include tissue handling instrumentation, suturing and surgical principles and approaches to various organ systems and anatomical regions. preoperative planning, anesthesia and surgical techniques, operative room decision making and post-operative care. Students begin by practicing technical skills on inanimate models. They progress to performing a series of supervised operations designed to parallel the most performed surgeries in private practice.

3. LEARNING OUTCOMES, TEACHING, LEARNING and ASSESSMENT METHODS

Learning Outcomes (Definitive)	Teaching and Learning methods (Indicative)	Assessment (Indicative)
Upon successful completion of this course, students will be able to		
1. Demonstrate the general principles of surgery, examination of surgical patient including pre and post-surgical care.	Power point presentations, lab work, Demonstration, group discussion	Work sheets and written examinations
2. Follow the standard procedures for the surgery of animal species.	Power point presentations, lab work, Demonstration, group discussion	Work sheets and written examinations
3. Apply and perform different suturing techniques.	Power point presentations, lab work, Demonstration, group discussion	Work sheets and written examinations
4. Demonstrate a good knowledge of the different types and use of anesthesia.	Power point presentations, lab work, Demonstration, group discussion	Work sheets and written examinations

4. ASSESSMENT WEIGHTING

Assessment	Percentage of final mark (%)
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Assignment	20%
Quizzes	20%
Mid-term Examination	20%
Final Examination	40%
TOTAL	100%

5. ACHIEVING A PASS

Students will achieve **3** credit hours for this course by passing **ALL** of the course assessments [*Quizzes, Mid-term, Final Examination**] and achieving a **minimum overall score of 50%**

NB *Ensure that ALL learning outcomes are taken into account

6. COURSE CONTENT (Indicative)

1. Surgical Conditions and Intra-operative Management
2. Ophthalmology Surgery
3. Surgery of the Abdominal Cavity
4. Urogenital Surgery
5. Instrumentation and Sterilization

TOTAL HOURS	45
Plus RECOMMENDED INDEPENDENT STUDY HOURS	15
TOTAL COURSE HOURS	60

7. RECOMMENDED REFERENCES

Core text/s:

Dean A. Hendrickson, A. N. Baird (editors): Turner and Mcllwraith's Techniques in Large Animal Surgery, 4th Edition Wiley-Blackwell (2013).

Library + online resources:

Open Educational Resources: