



Course Descriptor
VTMD424 Veterinary Surgery - 2

Proposed Academic Year	2021 - 22	Last Reviewed Academic Year	
Course Code	VTMD424	Course Title	Veterinary Surgery - 2
Credit hours	3	Level of study	Undergraduate
College / Centre	CAHS	Department	VTMD
Co-requisites		Pre-requisites	VTMD412

1. COURSE OUTLINE

The course is the continuity of VTMD412 course to provide additional knowledge of veterinary surgery in various animal species especially cattle, sheep, goats, camel horses, dogs & cats. The lecture topics include patient and surgeon preparation, tissue handling instrumentation, suturing and surgical principles and approaches to various organ systems and anatomical regions. The course also includes preoperative planning, anesthesia and surgical techniques, operative room decision making and post-operative care in this laboratory course. Students begin by practicing technical skills on inanimate models to be ready to do surgery on clinical cases.

2. AIMS

This course aims to give students an overview of a technician's role in surgery. Students will work in teams to carry out the variety of duties associated with veterinary surgery. Emphasis is on sterile procedures and maintenance of operating room sterility, including the correct placement of resources and equipment.

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. Create and maintain a sterile operating field.	Power point presentations, lab work, discussion	Work sheets and written examinations
2. Calculate dosages and administer emergency drugs and pre-operative fluids as a complement to surgery as indicated.	Power point presentations, lab work, discussion	Work sheets and written examinations
3. Identify resource and equipment needs for common surgical procedures.	Power point presentations, lab work, discussion	Work sheets and written examinations
4. Implement aseptic techniques to perform typical duties as a sterile surgical assistant.	Power point presentations, lab work, discussion	Work sheets and written examinations
Maintain and care for surgical instruments and	Power point presentations, lab work, discussion	Work sheets and written examinations



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ancillary equipment in the surgical suite.		
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4. ASSESSMENT WEIGHTING

Assessment	Percentage of final mark (%)
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 Examinations**] and achieving a **minimum overall score of 50%**

NB *Ensure that ALL learning outcomes are taken into account

6. COURSE CONTENT (Indicative)

1. Thoracic Surgery
2. Abdominal surgery
3. The Cardiovascular System
4. ENT Surgery
5. Orthopedics
6. Pre and Post-Operative Nursing
7. Theatre Practice.

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

7. RECOMMENDED REFERENCES

Core text/s:

- Susan L. Fubini & Norm Ducharme (Editors): Farm Animal Surgery, 2nd Edition, Elsevier, London. (2016)
- Theresa Rossum (Ed): Small Animal Surgery, 4th ed. Elsevier Press, London, (2012).
- Turner and McIlwraith's Techniques in Large Animal Surgery. Medicine & Health Science Books. (2013).

Library + online resources:

Open Educational Resources:



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