Proposed Academic Year	2021 - 22	Last Reviewed Academic Year	
Course Code	VTMD411	**Course Title**	Veterinary Internal Medicine 1
Credit hours	3	**Level of study**	Undergraduate
College / Centre	CAHS	**Department**	VTMD
Co-requisites	VTMD393	**Pre-requisites**	VTMD324

1. COURSE OUTLINE

The course will cover diseases affecting various body systems include digestive, respiratory urinary, cardiovascular, nervous & skin of cattle, camels, sheep, goats, horses and small animals. Students will also be familiarized with the etiology, clinical signs diagnosis, treatment and prevention of each disease that affect large and small animals.

2. AIMS

This course aim to provide students the skills in diagnose animal diseases based upon the clinical signs & laboratory results. During treatment of sick animals, the students will be familiarizing to use different types of medication with their dosage and route of administrations.

3. LEARNING OUTCOMES, TEACHING, LEARNING and ASSESSMENT METHODS

Learning Outcomes *(Definitive)* Upon successful completion of this course, students will be able to:	Teaching and Learning methods *(Indicative)*	Assessment *(Indicative)*
1. Diagnose animal diseases	Power point presentations, lab work, discussion	Work sheets and written examinations
2. Analyze treatment of animal diseases.	Power point presentations, lab work, discussion	Work sheets and written examinations
3. Put a plan to control animal diseases	Power point presentations, lab work, discussion	Work sheets and written examinations
4. Put a plan in preventing occurrence of the disease	Power point presentations, lab work, discussion	Work sheets and written examinations

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)	
	• Diseases of the Alimentary Tract – Horses, Pigs, and Neonatal Ruminants	
	• Diseases of the Alimentary Tract – Adult Ruminants.	
	• Diseases of the Liver and Pancreas.	
	• Diseases of the Cardiovascular System.	
	• Diseases of the Hemolymphatic and Immune Systems.	
	• Diseases of the Respiratory System.	
	• Diseases of the Urinary System.	
	• Diseases of the Nervous System.	

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

7.	RECOMMENDED REFERENCES

Core text/s:

O.M. Radostits, C.C. Gay, K.W. Hinchcliff, P.D. Constable (Editors): Veterinary Medicine: A textbook of the diseases of cattle, sheep, pigs, goats & horses. 10th Ed., Bailliere Tindall, London. (2007)
J.M. Howard (Editor): Current Veterinary Therapy: Food Animal Practice, W. B. Saunders Company, USA. London. 5th ed. (2008)
-B.P. Smith (Editor): Large Animal Internal Medicine,4th Ed., M Mosby, USA. (2008)
-F.K. Al-Ani (Editor): Camel Management and Diseases, 1st Ed., Dar Ammar Book Publisher, Jordan. (2004)
-R.A. Mansmann, E.S. McAllister, P.W. Pratt (Editor): Equine Medicine and Surgery, 2nd Ed., American Veterinary Publications, USA. (1987, latest edition)
-S.E. Aiello (Editor): Merck Veterinary Manual, 11th Ed., Merck & Co., USA. (2016)

Library + online resources:

Open Educational Resources: