

Course Code : VMC 401

Course Title : Animal Health

Credit Hours : 3 (2+1)

Full Marks: 75

Theory: 50

Practical: 25

OBJECTIVES

Upon completion of this course, the student will be able to know the common bacterial, fungal, viral and parasitic diseases prevalent in livestock, poultry and pet animals.

I. SYLLABUS

Terminologies related to health and disease, Sign of health and diseases, History taking physical examination, Classification of diseases, Modes of disease transmission, Definition, etiology, symptoms, diagnosis, treatment, control and prevention of common bacterial, viral and parasitic diseases. Causes, symptoms and treatment of metabolic and reproductive diseases. Importance of Zoonotic diseases in Nepal.

II. Course outline

A. Lecture

S.N.	Topic	No. of Lectures
1	Terminology related to health and disease	1
2	Sign of health and diseases	1
3	History taking physical examination	2
4	Classification of diseases	1
5	Modes of disease transmission	1
6	Bacterial diseases: HS, BQ, Anthrax, Mastitis.	5
7	Viral diseases: FMD, PPR, Swine fever, canine distemper, rabies	4
8	Protozoal diseases: Babesiosis, Coccidiosis,	2
9	Parasitic diseases: Liver fluke, Ascariasis, Tapeworm	3
10	Production diseases: Milk fever,	1
11	Poultry diseases: pullorum, Newcastle disease, IBD, Marek's disease,	6
12	Anestrous	1
13	Dystokia	1
14	Zoonotic diseases	1
Total		30

B. Practicals

S.N.	Topic	No. of Practicals
1	Methods of taking temperature, pulse and respiration rate.	2
2	History taking	1
3	Routine test of urine	1
4	Vaccination on Livestock species (Cattle, Buffalo, Sheep, Goat, Equine, and Poultry)	4
5	Diagnosis of different parasitic diseases.	3
6	Test of blood for TLC, DLC and Hb estimation.	3
7	Indirect tests of milk for the detection of mastitis	1
Total		15

REFERENCES

Chakravarti, A 2011. Text Book of Clinical Veterinary Medicine. Kalyani Publishers, India

Chakravarti, A. 2011. Text Book of Preventive Veterinary Medicine. Kalyani Publishers, India

Merc. Veterinary Manual, 2010. Merc and CO, USA (10th Edition)