



Internal Medicine Course Specifications (2012 - 2013)

Program(s) on which the course is given:	BVSc	
Department offering the program:	---	
Department offering the course:	Animal Medicine	
Major or Minor element of programs:	Major	
Academic year /Level:	4 th Year	2 semesters
Date of specification approval:		

A. BASIC INFORMATION

Title: Internal Medicine	Code: AMED, BMED		
Hours:			
Lectures 2 hrs/week	Practical 2 hrs/week	Total	hrs

B. PROFESSIONAL INFORMATION

1. Overall aims of the course: Student and graduates should gain the following
- To support achievement of basic knowledge of normal condition and healthy state of the animals
 - To enable students to provide basic clinical examination for different animal species.
 - To provide students with an appropriate background covering the common and important internal medical diseases in all animal species
 - To enable the development and application of appropriate professional attitudes, communication and problem solving skills.

2. Intended Learning Outcomes (ILOs) of the Course:

a. Knowledge and Understanding:

- a¹ Determine the most common internal medical diseases affecting all species of the animals, and describe appropriate management for these disorders.
- a² Describe the causes, pathogenesis, clinical symptoms, investigations, treatment and prognosis of the most important internal medical diseases.
- a³ Illustrate the impact of congenital and inherited affections on farm animals.
- a⁴ Describe appropriate measures for health promotion as well as prevention of infection in animals.
- a⁵ Describe appropriate management for abnormalities affecting growth and development.
- a⁶ Cite the management priorities for different animal emergencies

b. Intellectual Skills: Graduate should have:

- b¹ Check vital signs in young and adult animals.
- b² Assess physical development according to standard and recognize abnormalities.
- b³ Perform appropriate clinical assessments for animals.
- b⁴ Recognize and institute appropriate initial management for different animal emergencies.
- b⁵ Construct a proper history for a patient.
- b⁶ Perform an adequate clinical examination for a patient animal and identify deviations from normal.
- b⁷ Assess, classify and describe appropriate treatment for affected animals according to the principles of the integrated management

c. Professional and Practical Skills:

- c¹ Interpret the most important symptoms and signs of disease in animals..
- c² Formulate appropriate management plans for individual patients presenting with the most common internal medicine. The management plan should indicate investigations (and how they would be interpreted) as well as treatment.
- c³ Make decisions regarding common clinical situations using appropriate problem solving skills and relevant ethical principles

d. General and Transferable Skills and Attitude:

- d¹ Present patient's data in an organized and informative manner.
- d² Communicate effectively with animal's owners using appropriate communication skills.
- d³ Demonstrate appropriate professional attitudes and behaviors in different practice situations.

ƒ. Contents:

Topic	No. of		
	hours	Lectures	Practical
First term			
▪ General Systemic State	30	16	14
▪ Respiratory System	30	16	14
Second term			
▪ Cardiovascular system	15	10	5
▪ Skin diseases	30	20	10
▪ Nervous system	15	10	5
Total	120	72	48

§. Teaching and Learning Methods:

- 4.1 Lectures
- 4.2 Clinical and small group sessions:
 - Clinical training (Clinical demonstrations, practice of skills, and discussions)
 - (a) General experimental animal teaching
 - (b) Outpatient clinic
- 4.3 Tutorial classes (small group teaching)

°. Student Assessment Methods:

Exam		
5.1	Written Mid-term	To assess the ability to understand and remember
5.2	Written Final-term	To assess the ability to understand and remember
5.3	Practical Final-term	To assess professional and practical skills
5.4	Oral Final-term	To assess skills of investigation and discussion

Assessment Schedule (in each semester):

	Exam	Week
Assessment 1	Written Mid-term	8 th
Assessment 2	Written Final-term	16 th
Assessment 3	Practical Final-term	16 th
Assessment 4	Oral Final-term	16 th

Weighing of assessments

	Exam	Per Semester (%)	Total (%)
Assessment 1	Written Mid-term	10	20
Assessment 2	Written Final-term	25	50
Assessment 3	Practical Final-term	10	20
Assessment 4	Oral Final-term	5	10
Total		50	100

¶. List of References:

٦.١. Course Notes:

- Department books

٦.٢. Essential Books:

- Hungerford, T.G. (): Diseases of livestock. Th Ed. McGraw-Hill Book Company, Sydney, New York, London, Tokyo, Toronto.
- Duncan, J. R. and Prasse, K. W. (): Veterinary Laboratory Medicine nd Ed Iowa State University Press, Ames Iowa.
- Martin, W.B. and Aitken, I.D. (): Diseases of sheep rd Ed. Blackwell Science.
- Abd Elhady A. M. (٧••Σ): Clinical and biochemical studies of induced pregnancy toxemia in does. M.D.Thesis, Tanta University.
- Blowey R.W. and Weaver A.W. (): A color atlas of diseases and disorders of cattle. Wolfe Publishing Limited.
- Karl A. L. and Mary C. S. (): Color atlas of diseases and disorders of the sheep and goats.
- Midhat N. M. (): Nutritional problems affecting calcium, phosphorus and magnesium metabolism in Egyptian cattle and buffaloes. Ph D. Zagazig University.
- Philip R.S., Colin D.P. and Alastair I. M. (): Cattle Medicine. Manson Publishing/The Veterinary Press.
- Pugh D.G.(): Sheep and goat medicine. st ed., Saunders An Imprint of Elsevier, Philadelphia, Pennsylvania
- Radostitis O.M., Gay C.C., Hinchcliff K. W. and Constable P. D. (): Veterinary Medicine, A textbook of the diseases of cattle, horses, sheep, pigs and goats th Ed. Baillere Tindall, London.
- Rosenberger G. (): Clinical examination of cattle. nd Verlag Paul Parey Berlin and Hamburg.

٦.٣. Recommended Books:

- Smith, B.P (): Large animal internal medicine, third ed., Mosby, St Louis, London, Philadelphia, Sydney, Toronto.

٦.٤. Periodicals, websites, etc

٧. Facilities Required for Teaching and Learning

- LECTURE HALL: Writing board, overhead and slide projectors are available. Data show is available with prior arrangements.
- SMALL GROUP CLASSES: Each group is present separately in this room.
- LIBRARY: rd floor of management building in the faculty of veterinary medicine, Elbostan.
- CLINICAL FACILITIES: General and specialized outpatient clinics , Animal farm in the faculty of veterinary medicine, Elbostan. Specialized laboratory units
- SKILLS: Training of students in all branches of internal medicine during conduction of the course.

Course Coordinator: Prof. Dr. M. Y. Naser

Head of Department: Prof. Dr. M. Y. Naser

Date:

