Course Specifications

Pet Animal Medicine

Benha University   **Faculty of Veterinary Medicine**

Program on which the course is given: **Bachelor of Veterinary Medical sciences**

Department offering the course: **Department of Animal Medicine (Internal Medicine)**

Academic year / Level: **4th Year, 2nd semester**

Date of specification approval minstrel decree No 921, on 15/9/1987

Date of Dept approval: 9-1-2011

A- Basic Information

Title: Pet Animal Medicine   **Code: Vet 00642b**
Lecture: 2 hours
Practical: 3 hours
Total: 5 hours

B- Professional Information

1 – Overall Aims of Course:

The aim of this course is to provide state-of-the-art educational information of pet animal diseases and their treatment that are most commonly affecting dogs and cat in Egypt. This will enable students to gain skills for accurate diagnosis and treatment of these disease problems in dogs and cats. This course helps to control diseases and prevent disease mortalities in valuable breeds of pets. Another important aim is to identify pet animal diseases transmittable to human (zoonotic importance) and methods of prevention of transmission of these diseases.

2 – Intended Learning Outcomes of Course (ILOs)

a-Knowledge and Understanding:
By the end of this course, students will be able to:

a1- Recognize the function and anatomy of different organs of pet animals

a2- Define different diseases affecting dogs and cats.

a3- Know the system affected then the organ within the system.

a4- Identify the cause-disease interaction through the pathogenesis

a5- Comprehend differential diagnosis between related diseases

a6. Understand the general state disorders of pet animals

A7- Understand a treatment schedule for each disease with regard to type of drug, effective dose and time of dosing.

a8- Describe a protocol for prevention and control of pet animal diseases.

b- Intellectual Skills

By the end of this course, students will be able to:

b1- Develop skills on differential diagnosis of diseases of general systemic state and specific diseases based on clinical signs.

b2- Determine inter-relation between system affections.

b3- Determine the type of diagnostic aids used in diagnosis.

b4- Decide on the appropriate treatment for each disease

b5- Read and comment the diagnostic tools and reports

b6- Judge on giving a decision for either medical or surgical intervention

c- Professional and Practical Skills

By the end of this course, students will be able to:

c1- Take a case history for a pet animal patient.

c2- Conduct clinical and physical examinations of dogs and cats.

c3- Collect samples for lab. diagnosis of diseases of dogs and cats.

c4- Treat diseases by drug injection by different routes of administration.

c5- Manipulate the advanced diagnostic aids, such as sonar and endoscope in diagnosis of pet animal diseases.

d-General and Transferable Skills

On successful completion of this course, students will be able to:

d1- Solve problems associated with pet animal diseases.

d2- Communicate with other colleagues for reaching diagnosis.

d3- Cooperate with other veterinary hospitals, clinics and units in the field of pet animal practice.

d4- Use computers, software and CDs for educational purposes

d5- Work in a team during during group assignments.

3- Contents

Topic	No. of hours	Lecture	Practical
General Pet Animal Medicine	4	4	-
Diseases of Digestive system in pet animals	4	4	-
Diseases of respiratory system in pet animals	4	4	-
Endocrine diseases of pet animals	3	3	-
Diseases of cardiovascular system in pet animals	3	3	-
Disease of urinary system in pet animals	3	3	-
Diseases of nervous system pet animals	2	2	-
Diseases of skin in pet animals	3	3	-
General examination of dogs and cats	4	-	4
Clinical examination of Digestive system of pet animals	6	-	6
Clinical examination of respiratory system of pet animals	6	-	6
Clinical examination of cardiovascular system of pet animals	4	-	4
Clinical examination of respiratory system of pet animals	4	-	4
Clinical examination of nervous system of pet animals	4	-	4
Clinical examination of urinary system of pet animals	5	-	5
Macroscopic and microscopic examination of feces	6	-	6
Total	**65**	**26**	**39**

4- Content-ILOs matrix

	Content	ILOs			
		Knowledge and understanding	**Intellectual**	**Professional and practical**	**General and transferable**
1.	General Pet Animal Medicine	**a4, a6**	**b1, b2,b3, b4**	**c1, c2 , c3, c4**	**d1, d2,**
2.	Diseases of Digestive		**b1, b2,b3,**	**c1, c2 , c3,**	**d1, d2, d3,d4,**

	system in pet animals	a1, a2, a3, a5, a7, a8	b4, b5	c4, c5	
3.	Diseases of respiratory system in pet animals	a1, a2, a3, a5, a7, a8	b1, b2,b3, b4, b5	c1, c2 , c3, c4, c5	d1, d2, d3,d4,
4.	Endocrine diseases of pet animals	a1, a2, a3, a5, a7, a8	b1, b2,b3, b4, b5	c1, c2 , c3, c4, c5	d1, d2, d3,d4
5.	Diseases of cardiovascular system in pet animals	a1, a2, a3, a5, a7, a8	b1, b2,b3, b4, b5	c1, c2 , c3, c4, c5	d1, d2, d3, d4
6.	Disease of urinary system in pet animals	a1, a2, a3, a5, a7, a8	b1, b2,b3, b4, b5	c1, c2 , c3, c4, c5	d1, d2, d3, d4
7.	Diseases of nervous system pet animals	a1, a2, a3, a5, a7, a8	b1, b2,b3, b4, b5	c1, c2 , c3, c4, c5	d1, d2, d3, d4,
8.	Diseases of skin in pet animals	a1, a2, a3, a5, a7, a8	b1, b2,b3, b4, b5	c1, c2 , c3, c4	d1, d2, d3, d4
9.	General examination of dogs and cats	a1, a6	b1, b2,b3, b4, b5	c1, c2 , c3, c4	d1, d2, d3, d4,d5
10.	Clinical examination of Digestive system of pet animals	a1, a2, a3	b1, b2,b3, b4, b5	c1, c2 , c3, c4	d1, d2, d3, d4,d5
11.	Clinical examination of respiratory system of pet animals	a1, a2, a3	b1, b2,b3, b4, b5	c1, c2 , c3, c4	d1, d2, d3, d4,d5
12.	Clinical examination of cardiovascular system of pet animals	a1, a2, a3, a5	b1, b2,b3, b4, b5	c1, c2 , c3, c4	d1, d2, d3, d4,d5
13.	Clinical examination of respiratory system of pet animals	a1, a2, a3, a5	b1, b2,b3, b4, b5	c1, c2 , c3, c4	d1, d2, d3, d4,d5
14.	Clinical examination of nervous system of pet animals	a1, a2, a3, a5	b1, b2,b3, b4, b5	c1, c2 , c3, c4	d1, d2, d3, d4,d5
15.	Clinical examination of urinary system of pet animals	a1, a2, a3, a5	b1, b2,b3, b4, b5	c1, c2 , c3, c4	d1, d2, d3, d4,d5
16.	Macroscopic and microscopic examination of feces	a1, a2, a3, a5	b1, b2,b3, b4, b5	c1, c2 , c3, c4	d2, d3

5- Assessment-ILOS matrix

Assessment	ILOs			
	Knowledge and understanding	Intellectual	Professional and practical	General and transferable
Mid – Term exam	a2, a3, a4, a5	b1, b2		
Practical exam	a1	b1, b2,b3, b4, b5, b6	c1, c2 , c3, c4, c5	

Oral exam	a1, a2, a3, a4, a5	b1, b2,b3		
Final term exam	a2, a3, a4, a5, a6, a7, a8	b1, b2,b3, b4, b5, b6	c1, c2 , c3	
Assignments and research	a4, a5	b1		d1, d2, d3,d4, d5

6– Teaching and Learning Methods

4.1- Lecture notes and textbooks

4.2- Lectures prepared on multimedia as powerpoint presentations

4.3- Practical lessons for case diagnosis and treatment in the hospital

4.4- Educational farm for conducting the clinical examination of animal.

4.5- Field trips to pet animal clinics and hospitals.

7- Student Assessment Methods

5.1 Mid-term examination

5.2 Final-term exam

5.3 Oral exam

5.4 Practical exam

5.5 Assignment and research

Assessment Schedule

Assessment 1: Mid-term exam	Week 8
Assessment 1: Final-term exam	Week 15
Assessment 2: Oral exam.	Week 15
Assessment 3: Practical exam.	Week 14
Assessment 4: assignment and research	Monthly

Weighting of Assessments

Mid-term examination	5%
Final-term Examination	50 %
Oral Examination.	20 %
Practical Examination	20 %
Assignment and research	5 %
Total	100%

8- List of References

8.1- Course Notes

Pet Animal Medicine: summarized integrated course for 4th grade students.

8.2- Essential Books (Text Books)
Current Veterinary Therapy

8.3- Periodicals, Web Sites, … etc
Periodicals:
- Journal of Animal Science.
- Research on Veterinary Science.
- American Journal of Veterinary Medical Association.
- American Journal of Veterinary Research.
- Veterinary Record.

Web sites: http://www.ivis.org
: http://www.merckvetmanual.com/mvm/index.jsp
www.drghanem.co.nr

9- Facilities Required for Teaching and Learning

- A laboratory of veterinary medical diagnosis.
- Medical stethoscope and thermometer.
- Clinical teaching cases.
- Dogs and cats as lab. animals
- Multimedia projector, CDs and a computer.
- Slide projector.
- Overhead projector.
- Ultrasonography.
- Fiberoptic endoscope.
- Electrocardiograph (ECG).
- Samples of Veterinary drugs used in pet animal medicine.

Course Coordinators:

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Date: 9-1-2011