



## Course specification

### 1-Basic information

<b>Course Code:</b>	<b>IMD:5160</b>
<b>Course title :</b>	<b>Veterinary Internal Medicine (Part III)</b>
<b>Academic year:</b>	<b>5<sup>th</sup> academic year</b>
<b>Program title:</b>	<b>B. Sc. Veterinary Medical sciences</b>
<b>Contact hours/ week</b>	<b>4 hours/week, (Lecture 2h/week, Practical 2h/week)</b>
<b>Approval Date</b>	<b>9/2018</b>

### 2-Professional information

**Overall aims of course:**

**This course aims to:**

- 1-Identify clinical problems, as the internal medicine is the close stone in faculty of veterinary medicine.
- 2- Determine the cause (s), the pathophysiology, the data for diagnosis, and the differential diagnosis of similar disease conditions.

### 3- Intended learning outcomes of course (ILOs)

**a- Knowledge and understanding:**

**By the end of this course the student should be able to:**

- a1. Recall essential academic data essential for clinical studies.
- a2. Outline the general characterization of diseases of each species.
- a3. Define the structure and function of healthy animals, which will allow students to recognize and understand abnormal, and disease states of body systems.
- a4. Elicit the diagnosis and treatment of diseased cases.
- a5. Ascertain knowledge of the best practice in solving animal disease Problem.
- a6. List the causes, pathogenesis, clinical symptoms, investigations, treatment and prognosis of the most important internal medical diseases.

**b- Intellectual skills**

**By the end of this course the student should be able to:**

- b1. Differentiate between healthy and diseased animal.
- b2. Differentiate between the possible diseases causing the similar clinical manifestations.
- b3. Integrate the different steps of clinical examinations and lab investigation for making correct diagnosis.
- b4. Interpret the results of clinical examination, lab and different modalities of diagnosis
- b5. Make a decision of diagnosis, prognosis and treatment and management of the problem.
- b6. Describe the appropriate therapy for different disease conditions in correct manner and deal with the economical losses in the animal farming.



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### c- Professional and practical skills

**By the end of this course the student should be able to:**

- c1. Prepare the instruments and tools for clinical examinations.
- c2. Perform the proper traditional clinical examinations and design the clinical diagnosis cheat for animal clinical examination in individual and herd animal.
- c3. Analyze the incidence and clinical findings of diseases.
- c4. Practice appropriate therapies and their applications.

### d- General and transferable skills

**By the end of studying the course, the student should be able to:**

- d1. Work in groups and manage the time.
- d2. Demonstrate the clinical work under the field condition in medical campaigns.
- d3. Deal with colleagues and owners of cases with elegance and politeness.
- d4. Maintain a professional image concerning behavior, dress and speech.
- d5. Be responsible toward work.
- d6. Communicate effectively with public, colleagues and appropriate authorities.
- d7. Achieve computer skills necessary to make use of medical databases and use the internet for communication.

### 4-Topics and contents

Course	Topic	No. of hours	Lectures	Practical
<b>5<sup>th</sup> year-1<sup>st</sup> semester</b> Internal medicine (Part III) (Lec. 2 h./week, Pract. 2h./week)	<b>1-Diseases of digestive system (General):</b> (principles of digestive tract disorders, stomatitis, parotitis, pharyngitis, pharyngeal obstruction, pharyngeal paralysis, esophagitis, choke,	10	3	-----
	<b>2-Clinical examination of the oral cavity, pharynx, and esophagus in animals.</b>		-----	2
	<b>3-Diseases of digestive system of ruminants:</b> simple indigestion, tympany, impaction, vagus indigestion, traumatic reticulopertontitis, abomasal displacement, abomasal ulcer, intestinal obstruction, hepatitis, enteritis and intestinal obstructions	20	5	---
	<b>4-clinical examinations of rumen, omasum, abomasum, intestine and liver in ruminants.</b>		-----	5
	<b>5-Diseases of digestive system of equines and pets.</b> (gastritis, gastric ulcers, gastric dilatation,	16	4	



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	intestinal obstruction, cecal impaction, peritonitis, other causes of colic in equine. <b>6-Clinical examination of digestive system in equine and pets.</b>			4
	<b>7- Diseases of the newborn</b> <b>8-clinical examination of newborn animals.</b>	6	1 ---	--- 2
Total		52	13 (X 2hrs)	13 (X 2hrs)

### 5-Teaching and learning methods

**5.1. Lectures (brain storming, discussion) in which one or more of the following facilities are used:**

5.1.1. White board and data-show presentations.

5.1.2. Illustrations, charts, CD's, PowerPoint slides and recorded videos.

**5.2- Self learning by preparing essays and presentations (computer researches).**

**5.3- Practical study (practical lessons in faculty farm, clinical cases from the faculty farm or from outside the faculty, and training visits (Visits to animal farms, field trips....etc).**

**5.4-Training visits (Visits to animal farms).**

### 6-Teaching and learning methods for the students with disabilities

6.1. Not applicable.

### 7-Student assessment

**7.1. Assessments methods:**

Method	Matrix alignment of the measured ILOs/ Assessments methods			
	K&U	I.S	P&P.S	G.S
written Exam	a3-a6	b1-b6	----	----
Practical Exam	-----	-----	c1-c4	----
Oral Exam	a1-a6	b1- b6	-----	d1-d7
Activities	a1-a6	b1- b6	c1-c4	d1-d7

**7.2. Assessment schedules/semester:**

Method	Week(s)
Practical exams	14 <sup>th</sup> week
Final exams	15 <sup>th</sup> -17 <sup>th</sup> week
Oral Exam	Managed by the department
Activities	Along the semester course



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### 7.3. Weight of assessments/semester:

Assessment	Weight of assessment
Practical exams	20%
Final exams	50%
Oral exams	20%
student activities	10%
Total	100%

## 8- List of references

### 8.1. Notes and books

-None.

### 8.2. Essential books:

- 1- Veterinary clinical diagnosis (1984): W. R. Kelly 1984, 3rd. Ed, Billiere Tindall, London.
  - 2-Veterinary medicine: a textbook of the diseases of cattle sheep, pigs, goats and horses(2010): Radostits, O. M., Blood D. C., Gay, C. C., Arundal, J. H., 10th. Ed., Billiere Tindall, London.
  - 3- Large Animal Internal Medicine (1998): Timthy, H. Oglivie, Williams & Wilkins.
  - 4- Small Animal Internal Medicine (1997): Darcy, Show and Sherri Ihle, Williams & Wilkins
- \*These books are available in the library of faculty of Veterinary Medicine, Beni-Suef University.*

### 8.3. Recommended texts

- 1- Veterinary clinical examination and diagnosis (2000): Radostits O. M. , 1st. Ed. Billiere Tindall, London
  - 2 - Large animal internal medicine (1998): Bradford P. Smith, Mosby-Yearbook, Inc. USA.
- \*These books are found in the library of faculty of veterinary medicine, Beni-Suef University.*

### 8.4. Journals

- Journal of Veterinary Internal Medicine - Wiley Online Library
- JVIM - American College of Veterinary Internal Medicine
- Veterinary Medicine International — An Open Access Journal
- Journal of Equine Veterinary Science - Elsevier
- The Journal of Applied Research in Veterinary Medicine
- British Veterinary Journal - ScienceDirect.com
- Journal of Equine Veterinary Science



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### 8.5. Websites

- [www.ekb.eg/ar](http://www.ekb.eg/ar): Egyptian knowledge bank.
- www.Sciencedirect.com
- www.Pupmed.com
- www.google.com
- www.FAO

#### **Course Coordinators**

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Topics	Week	Intended learning outcomes of course (ILOs)			
		K&U (a)	I.S (b)	P.P.S (c)	G.T.S (d)
<b>1-Diseases of digestive system (General):</b> (principles of digestive tract disorders, stomatitis, parotitis, pharyngitis, pharyngeal obstruction, pharyngeal paralysis, esophagitis, choke.	Lecture: 1-3	a1-a6	b1-b6	-	--
<b>2-Clinical examination of the oral cavity, pharynx, and esophagus in animals.</b>	Practical: 1-2	---	--	c1-c4	d1-d7
<b>3-Diseases of digestive system of ruminants:</b> simple indigestion, tympany, impaction, vagus indigestion, traumatic reticuloperitonitis, abomasal displacement, abomasal ulcer, intestinal obstruction, hepatitis, enteritis and intestinal obstructions.	Lecture: 4-8	a1-a6	b1-b6	-	--
<b>4-clinical examinations of rumen, omasum, abomasum, intestine and liver in ruminants.</b>	Practical:3-7	--	---	c1-c4	d1-d7
<b>5-Diseases of digestive system of equines:</b> (gastritis, gastric ulcers, gastric dilatation, intestinal obstruction, cecal impaction, peritonitis, other causes of colic in equine.	Lecture: 9-12	a1- a6	b1-b6	---	---
<b>6-Clinical examination of digestive system in equine and pets.</b>	Practical: 8-11			c1-c4	d1-d7
<b>7- Diseases of the newborn.</b>	Lecture:13	a1-a6	b1-b6	-	--
<b>8-clinical examination of newborn animals.</b>	Practical: 12-13			c1-c4	d1-d7