

c. Professional and Practical Skills:

- c¹ Student or graduate should have the practice of specific animal diseases, whether depending on his skill of diagnosis from clinical signs or the clinical procedures and clinical examination techniques
- c² Capability of economical evaluation of any given herd of animals from elements increasing profitability and elements decreasing losses and expanses in the farm.
- c³ Capability of designing computer programs for diseases diagnosis, recording animal information (on collective and individual bases) and financial assessment programs.

d. General and Transferable Skills:

- d¹ They should be well trained for use of up to date diagnostic methods in Virology, Bacteriology and Parasitology like PCR and ELISA.
- d² They should have the capability of use of recent communications tools like E mail, fax and internet connections.
- d³ They should have the ability and satisfaction to work within a team or group for solving any problem.

ƒ. Contents:

1st Semester			
Topic	No. of hours	Lectures	Practical
Infectious diseases of cattle	40	24	16
Infectious diseases of sheep and goats	35	21	14
2nd Semester			
Infectious diseases of equines and camels	45	27	18
Infectious diseases of pet animals	30	18	12
Total	150	90	60

§. Teaching and Learning Methods:

- 4.1 Lectures and practical of every topic in the course
- 4.2 Collection of some information from textbooks and Internet
- 4.3 Study of clinical cases in faculty clinic (Hospital)

°. Student Assessment Methods:

Exam		
5.1	Written Mid-term	To assess the ability to understand and remember knowledge, and intellectual skills
5.2	Written Final-term	To assess the ability to understand and remember knowledge, and intellectual skills
5.3	Practical Final-term	To assess professional and practical skills
5.4	Oral Final-term	To assess skills of analysis 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 16th

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

5. List of References:

5.1. Course Notes:

- Printed Lecture Notes

5.2. Essential Books:

- Hungerford, T.G. (): Diseases of livestock. Th Ed. McGraw-Hill Book Company, Sydney, New York, London, Tokyo, Toronto.
- Kahrs, R.F (): Viral diseases of cattle. The Iowa state University Press, Ames, Iowa.
- Martin, W.B. and Aitken, I.D. (): Diseases of sheep rd Ed. Blackwell Science
- Radostits, O.M.; Blood, D.C. and Gay, C.C. (): Veterinary medicine, a text book of the diseases of cattle, sheep, goats, pigs and horses th Ed. Baillier, Tindall, England, London.

5.3. Recommended Books:

- Smith, B.P (): Large animal internal medicine, third ed., Mosby, St Louis, London, Philadelphia, Sydney, Toronto.
- Uirich W. and Oskar, R.K. (): Infectious diseases of camelides st Ed. Edit, Blackwell Wissenschafts, Verlage, Berlin, Oxford, Edinburgh, Boston, London.

5.4. Periodicals, websites, etc

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6. Facilities Required for Teaching and Learning

- Well equipped laboratory
- Computers
- Laptop, projectors, audio-visual aids

Course

**Coordinator:Assistant
prof.Nabil M.Bakeer**

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

Date: