

**Beni Suef University
Faculty of Veterinary Medicine
Department of Animal Medicine**

**Program Specification for Master Degree
2017-2018**

A-Basic information:

- 1- Program title:** *MVSC.*,
- 2- Program type:** *Single*
- 3- Department offering program:** Animal Medicine
- 4-Academic year:** *2017-2018*
- 5-Approval date of Department Council:**
- 6-Approval date of Faculty Council:**
- 7-External evaluator:**

B-Professional information:

1-Overall aims of the program:

1. Use the most recent techniques related to diagnostic techniques used for diagnosis of infectious diseases and improve the skills of scientific research.
2. Diagnose and solve the problems facing livestock production based on scientific and research evidence.
3. Provide graduates the opportunity to develop communication skills.
4. Enable graduates to achieve competency in modern laboratory technology.
5. Allow graduates to develop practical research project.
6. Develop the ability of graduate to engage critically with scientific literature and to critically review and present their own research data.
7. Develop communication skills and improve scientific co-operation in research groups.
8. Improve the academic and professional self-capabilities and skills.

2- Intended learning outcomes of course (ILOs):

a- Knowledge and understanding:

On successful completion of this program the graduate should be able to :

- a.1.Acquire the recent concepts in diagnosis and control of infectious diseases.
- a.2.Recognize the different approaches of diagnosis, treatment and control of infectious diseases.
- a.3.Recognize up to date scientific researches of infectious diseases.

- a.4. Understand the mutual influence between different professional practices and management of epidemics.
- a.5. Recall and integrate the knowledge to solve the problems of infectious diseases.

b- Intellectual skills:

On successful completion of master program, the graduate should be able to:

- b.1. Identify, conceptualize and define research problems and questions
- b.2. Develop creative approaches to solving technical problems or issues associated with running and researches project.
- b.3. Identify, summarize and evaluate prior researches finding in a specific area
- b.4. Design a scientific research plan
- b.5. Evaluate different risks for which livestock production is exposed

c- Professional and practical skills:

On successful completion of this program the graduate should be able to:

- c.1. Perform efficiently the recent diagnostic practices.
- c.2. Apply the principles of good experimental design and analysis to his own research project
- c.3. Select and perform relevant statistical analysis on data obtained for his own research.
- c.4. Write efficiently scientific paper and dissertation

d- General and transferable skills:

On successful completion of this program the graduate should be able to:

- d.1. Communicate and use of information technology in the development of professional practices.
- d.2. Use the available facilities for obtaining knowledge and information.
- d.3. Recognize regulations for performance evaluation.
- d.4. Work in research groups.

3- Academic standers:

* The faculty mission, vision and strategic objective are confirmed to the academic standard. The learning outcomes are in line with the department and the faculty mission.

* Postgraduates NARS (March 2009) Master degree chapter issued by national authority for quality assurance and accreditation of education (NAQAAE) and Veterinary medicine post graduate academic standards (ARS) for the faculty of veterinary medicine, Beni-Suef University, Beni-Suef, Egypt are selected to confirm the appropriateness of the academic standards.

4- Program Structure and Contents

A- Program duration: At least two academic years from the approval of registration by the Faculty Council.

The first year for preliminary courses study, while the second year for researches and preparation of the Master Thesis.

B- Program structure:**Hours/ week:****Basic course:-**

Theoretical	4	Practical	7	Total	11
-------------	---	-----------	---	-------	----

Subsidiary courses:-

Theoretical	6-8	Practical	6-8	Total	12.16
-------------	-----	-----------	-----	-------	-------

☒ **Master Thesis: completed during the second academic year.**

C- Program courses:**A- basic courses**

Code	Course title	Hours /week		Academic year	Teaching duration
		theoretical	practical		
	Infectious diseases (Basic)	3	4	Preliminary year	36 weeks
	Research methods	1	3	Preliminary year	36 weeks

B-subsidiary courses

Code	Course title	Hours /week		Academic year	Semester
		theoretical	practical		
	Selected (3-5) courses depending on the thesis title from the various Faculty Master courses other than specialty of the Master.	6-8	6-8	Preliminary year	36 weeks

D- Courses contents

See master courses specification

5- Program Admission Requirements

a- According to the Faculty of Veterinary Medicine, Beni-Suef University Bylaws for Post Graduate Programs, applicants should have BVSc., from an Egyptian University or equivalent degree from any approved university, with at least general grade (Good) and (Very Good) in the specialized subject.

b- Also if the student has postgraduate diploma in one specialization of total (3 hours) at least with general grade (Good) and (Very good) in the specialized subject.

c- According to Beni-Suef University requirements, all applicants for postgraduate studies should fulfill preliminary courses on the following subjects:

I- English language (Toefl or equivalent degree)

d- Admission to the program is open during March and September annually.

6. Regulations for Progression and Program Completion

After finishing the preliminary courses, the graduate student will be eligible to sit for the examination according to the following roles:

No. of course teaching hours/ week	Allowed time for written exam.	Degree	
		Theoretical	Practical and oral exam
≥ 3 hours	3 hours	50	50
≤ 3 hours	2 hours	25	25

- It is mandatory to pass all the courses separately.

The passing mark in any written exam is $\geq 60\%$.

Qualification grades:

Excellent	≥ 90
Very good	≥ 80
Good	≥ 70
Pass	≥ 60
Failed	45 to less than 60 weak
	Less than 45 Very weak

After passing, the graduate starts research for Master Thesis at the beginning of the second year. The candidate will receive his degree after evaluating and approving the thesis by a committee according to University regulations.

7-Graduate student assessment

A: Assessment Tools

According the Faculty of Veterinary Medicine, Beni-Suef University Bylaws for Post Graduate, students should be assessed at the end of preliminary year and the thesis should be evaluated and approved by a committee according to University regulations.

Preliminary year

Assessments methods for each course	practical exam	Oral exam	Written exam
Time of Assessments	during December	during December	during December
Marks	25	25	50

B- Matrix alignment of the measured ILOs

Assessments methods	Matrix alignment of the measured ILOs			
	K&U (a)	I.S (b)	P&P. S (c)	G&T. S (d)
written exam	a1,a3,a4,,a5	b1,b2,b3,b4	c1,c3,c4,	
Practical exam		b1,b2,b4	c1,c2	
Oral exam	a1,a2,a3,a4, a5	b1,b2,b3	c1,c2	d1,d3,d4

Master Thesis:

All master-degree students should prepare a thesis in infectious diseases. The department council must approve the protocol (plan) of the research. The thesis is supervised by one or more staff members and may include other specialties according to the nature of the research. The thesis should be evaluated and approved by a committee according to University regulations. The applicant should publish at least one scientific paper from the thesis in local or international journals

8- Evaluation of Program Intended Learning Outcomes

Evaluator	Tool	Sample
1. Post graduate students	Questionnaire at the end of the program	All the PG students
2. External evaluators	Review program and courses Attending the final exam	Once before implementation annual report
3. College Quality Assurance Committee	Annual program reviewer	

Master Program Specification Matrix (Program ILOS with Academic standers ARS)

Academic standers Program ILOs		Knowledge and understanding					Intellectual skills					Professional and practical skills				General and transferable skills			
		a1	a2	a3	a4	a5	b1	b2	b3	b4	b5	c1	c2	c3	c4	d1	d2	d3	d4
Knowledge and understanding	a1	√																	
	a2		√																
	a3			√															
	a4				√														
	a5					√													
Intellectual skills	b1						√												
	b2							√											
	b3								√										
	b4									√									
	b5										√								
Professional and practical skills	c1											√							
	c2												√						
	c3													√					
	c4														√				
General and transferable skills	d1															√			
	d2																√		
	d3																	√	
	d4																		√

Program aims – ILOS Matrix for the Master program (MVSC)

مصفوفة اهداف البرنامج مع مخرجات التعلم المستهدفة

Program ILOS		Program aims							
		1.Use the most recent techniques related to diagnostic techniques used for diagnosis of infectious diseases	2.Diagnose and solve the problems facing livestock production based on scientific and research evidence.	3.Provide graduates the opportunity to develop communication skills.	4.Enable graduates to achieve competency in modern laboratory technology.	5.Allow graduates to develop practical research project	6.Develop the ability of graduate to engage critically with scientific literature	7.Develop communication skills and improve scientific co-operation in research groups.	8.Improve the academic and professional self-capabilities and skills.
Knowledge and understanding	a.1. Acquire the recent concepts in diagnosis and control of infectious diseases. medicine	√		√					
	a.2. Recognize the different approaches of diagnosis, treatment and control of infectious diseases.	√	√	√	√				
	a.3. Recognize up to date scientific researches of infectious	√	√		√		√		

Program ILOs		Program aims							
	diseases.								
	a.4. Understand the mutual influence between different professional practices and management of epidemics.	√				√			
	a.5. Recall and integrate the knowledge to solve the problems of infectious diseases.	√	√	√				√	
Intellectual skills	b.1. Identify, conceptualize and define research problems and questions	√	√						√
	b.2. Develop creative approaches to solving technical problems or issues associate with running and researches project.	√	√						
	b.3. Identify, summarize and evaluate prior researches finding in a specific area	√	√		√		√		

Program ILOs		Program aims							
	b.4. Design a scientific research plan.			√	√			√	
	b.5. Evaluate different risks for which livestock production is exposed			√				√	√
Practical and professional skills	c.1. Perform efficiently the recent diagnostic practices.	√	√						
	c.2. Apply the principles of good experimental design and analysis to his own research project	√	√			√			
	c.3. Select and perform relevant statistical analysis on data obtained for his own research.		√		√	√			√
	c.4. Write efficiently scientific paper and dissertation	√	√			√	√		
General and transferable skills	d.1. Communicate and use of information technology in the development of professional practices.			√				√	√

Program ILOs		Program aims							
	professional practices.								
	d.2. Use the available facilities for obtaining knowledge and information.				√				√
	d.3. Recognize regulations for performance evaluation.	√	√		√				
	d.4. Work in research groups.			√				√	√

Master degree Program Specification Matrix
(Program Courses with ILOS)

Program ILOs		Courses
Knowledge and understanding	a1	MBC-PRDS, M-83, M-88, M-137, M-212, M-99, M-84, M-88, M-92, , Thesis
	a2	MBC-, M-91, M-99,
	a3	Thesis
	a4	MBC-, M-131, M-136, M-99,
	a5	MBC-, M-88, M-89, M-136,thesis
Intellectual skills	b1	Thesis
	b2	MBC-M 83, M-212, M-213, M-214,
	b3	MBC-PRDS, M-102, M-131, M-136
	b4	Thesis
	b5	MBC-, M-99, M-133, M-135, Thesis
Professional and practical skills	c1	MBC-, M-92, M-83
	c2	MBC-, M-212, M214, M-83
	c3	Thesis,
	c4	Thesis
General and transferable skills	d1	Thesis
	d2	Thesis
	d3	Thesis
	d4	Thesis

Programme coordinator:	
Name : Sherin Rouby	
Signature	Date
Head of the Department:	

Name: hosein Abd Al Aal	
Signature	Date



Course specification

1-Basic information

Course Code:	Master infectious diseases
Course title:	Infectious diseases
Program title:	MVSc
Contact hours/ week	7 hours per week (3 theoretical and 4 practical)
Approval Date	

2-Professional information

Overall aims of course:

This course aims to:

Employ the acquired knowledge of infectious diseases of farm animals together with other related topics and master different professional skills and techniques in diagnosis, prevention and control of infectious diseases of farm animals. Also, to support the basic knowledge about etiology, epizootiology, clinical signs, and diagnosis and control measures of infectious diseases of farm animals, demonstrate an understanding of basic control management procedures and protocols including isolation, quarantine and disinfection and provide opportunities to understand the molecular and cellular mechanisms of disease process.

3- Intended learning outcomes of course (ILOs)

A-Knowledge and understanding:

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

- a1- Identify the basic knowledge about etiological agents and pathogenesis of different infectious diseases of domestic animals.
- a2- list the major field problems concerned with infectious diseases of farm animals.
- a3- Mention the basic knowledge about the treatment and control measures of different infectious diseases of domestic animals.
- a4- Identify the important aspects regarding the diagnosis of different



Course specification

infectious diseases of domestic animals.

B- Intellectual skills

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

- b1- analyze the field problems to reach a preliminary diagnosis.
- b2- suggest the suitable solutions during outbreaks and interpret the available data.
- b3- use the basic information for analysis of epidemics of domestic animals and to enable the students how to interpret the available data to achieve diagnosis.
- b4 -Enhance the ability to differentiate between infectious diseases of domestic animals.

C-Professional and practical skills

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

- c1- Perform the different methods and techniques of clinical examination.
- c2- Perform the different sampling methods.
- c3- Acquire the experience of planning of a control program.
- c4- Plan and apply the different methods of control programs.
- c5- Use epidemiological information of the early warning system for early diagnosis of infectious diseases.

D-General and transferable skills

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

- d1-Enhance the skills of problem definition and how to deal with it.
- d2-Enhance skills of epizootiological data analysis, and clinical and laboratory examinations.
- d3- Enhance the experience of taking history in infected farms and Increase the ability of organizing control programs.
- d4- Collect the Data of diseased animals in an informative and suitable manner.

4-Topics and contents

Course	Topic	Hours	Lectu	Practi
--------	-------	-------	-------	--------

Course specification

			res	cal
Infectious diseases	Introduction of infectious diseases (Epidemiologic Triad, The chain of infection, An introduction to epidemiology, Maintenance of infection, and Principles of disease control).	77	33	44
	Infectious diseases of newly born animals	35	15	20
	Infectious diseases causing abortion.	35	15	20
	Infectious diseases of ruminants	35	15	20
	Infectious diseases of equine	35	15	20
	Infectious diseases of pets	35	15	20
	Total	252	108	144

5-Teaching and learning methods

5.1- Lectures and oral presentations

5.2- Clinical sections.

5.3- The use of multimedia aids e.g slide projector, data show, video tapes.

6-Student assessment

6.1. Assessments methods:

Method	Matrix alignment of the measured ILOs/ Assessments methods			
	K&U	I.S	P&P.S	G.S
Final Exam	a1- a2- a3-a4	b1- b2- b3-b4		
Practical Exam		b1	c4	d1
Oral Exam	a1- a2- a3- a4	b1- b2- b3-b4-		

6.2. Assessment schedules/semester:



Course specification

Method	Week(s)
Writing exam	During December
Practical exam	During December
Oral exam	During December

6.3. Weight of assessments:

Assessment	Weight of assessment
Writing exam	50%
Practical exam	25%
Oral exam	25%
Total	100%

7- List of references

7.1. Notes and books

- Infectious diseases of domestic animals (2004/1588) by H.I.Hosein (2018) 4th Ed.

7.2. Essential books:

- Veterinary medicine 7th ed (A text book of the diseases of cattle, sheep, pigs, goats and horses) 1983.
- Veterinary clinical diagnosis 3th Ed. 1984
- Cattle diseases 1984
- Diseases of sheep 2nd Ed. 1982
- A color atlas of small animal dermatology 1985

7.3. Recommended texts

- The Merck veterinary manual 9th 2005

7.4. Journals, Websitesetc

Journals:

Journal of Veterinary Science

Research in Veterinary Science

Journal of Veterinary Diagnostic Investigation

Websites:

1-www.google.com

2-www.OIE

3-www.FAO



Beni-Suef University
Faculty of Veterinary Medicine



Course specification

4-www.Canine web sites

Course Coordinators

Head of Department

Dr. Hosein Abd Al Aal

Topic	Week	Intended learning outcomes of course (ILOs)			
		K&U (a)	I.S (b)	P.P.S (c)	G.T.S (d)
Introduction of infectious diseases (Epidemiologic Triad, The chain of infection, An introduction to epidemiology, Maintenance of infection, and Principles of disease control).	1-6	a1,a2			
Infectious diseases of newly born animals	7-11	a1- a2- a3- a4	b1-b2- b3-b4		d1- d2 d3
Infectious diseases causing abortion	12-16	a1- a2- a3- a4	b1-b2- b3-b4		
Infectious diseases of ruminants	17-21	a1- a2- a3	b1-b2- b3-b4	c2, c4	d3, d4
Infectious diseases of equine	22-26	a1- a2- a3- a4	b3-b4	c2	
Infectious diseases of pets	27-36	a1- a2	b1-b2- b3		



Course specification

1-Basic information

Course Code:	M-140
Course title:	Infectious diseases of cattle
Program title:	MVSc
Contact hours/ week	4 hours per week (2 theoretical and 2 practical)
Approval Date	

2-Professional information

Overall aims of course:

This course aims to:

Employ the acquired knowledge of infectious diseases of cattle together with other related topics, master different professional skills and techniques in diagnosis, prevention and control of infectious diseases of cattle and deal with field problems of cattle infectious diseases. Also, to support the basic knowledge about etiology, epizootiology, clinical signs, and diagnosis and control measures of infectious diseases of cattle and provide opportunities to understand the molecular and cellular mechanisms of disease process.

3- Intended learning outcomes of course (ILOs)

A-Knowledge and understanding:

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

- a1-identify the basic knowledge about etiological agents and pathogenesis of different infectious diseases of cattle.
- a2-list the major field problems concerned with infectious diseases of cattle.
- a3- mention the basic knowledge about the treatment and control measures of different infectious diseases of cattle.



Course specification

a4- identify the important aspects regarding the diagnosis of different infectious diseases of cattle.

B- Intellectual skills

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

b1- analyze the field problems of cattle diseases to reach a preliminary diagnosis.

b2- use the basic information of epidemics of cattle to interpret the available data to achieve diagnosis.

b3- suggest the suitable solutions during outbreaks and interpret the available data.

b4 -Enhance the ability to differentiate between infectious diseases of cattle.

C-Professional and practical skills

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

c1- perform the different methods and techniques of clinical examination.

c2. practice the experience of using the traditional and to certain extent the sophisticated methods of laboratory diagnosis

c3- Perform the different sampling methods.

c4- acquire the experience of planning of a control program.

c5- apply the different methods of control programs.

D-General and transferable skills

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

d1-enhance the skills of problem definition and how to deal with it.

d2-enhance skills of epizootiological data analysis, and clinical and laboratory examinations.

d3- enhance the experience of taking history in infected farms and increase the ability of organizing control programs.

d4- collect the data of diseased animals in an informative and suitable manner.

4-Topics and contents

Course specification

Course	Topic	Hours	Lectures	Practical	
Infectious diseases of cattle	Epidemiologic Triad, The chain of infection, Maintenance of infection Principles of disease control.	24	12	12	12
	epidemiology of diseases of newly born animals	20	10	10	
	Bovine abortion.	20	10	10	
	Infectious diseases causing digestive disorders.	20	10	10	
	Infectious diseases causing respiratory manifestation.	20	10	10	
	Infectious diseases causing nervous manifestation.	20	10	10	
	Parasitic diseases of cattle	20	10	10	
	Total	144	72	72	

5-Teaching and learning methods

5.1- Lectures and oral presentations

5.2- Clinical sections.

5.3- The use of multimedia aids e.g. slide projector, data show, video tapes.

6-Student assessment

6.1. Assessments methods:

Method	Matrix alignment of the measured ILOs/ Assessments methods			
	K&U	I.S	P&P.S	G.S
Final Exam	a1- a2- a3-a4	b2- b3-b4		
Practical Exam		b1	c4	d1
Oral Exam	a1- a2- a3- a4	b1- b2- b3-b4		

6.2. Assessment schedules/semester:

Method	Week(s)
Writing exam	During December



Course specification

Practical exam	During December
Oral exam	During December

6.3. Weight of assessments:

Assessment	Weight of assessment
Writing exam	50%
Practical exam	25%
Oral exam	25%
Total	100%

7- List of references

7.1. Notes and books

- Infectious diseases of domestic animals (2004/1588) by H.I.Hosein (2018) 4th Ed.

7.2. Essential books:

- Veterinary medicine 7th ed (A text book of the diseases of cattle, sheep, pigs, goats and horses) 1983.
- Veterinary clinical diagnosis 3th Ed. 1984
- Cattle diseases 1984
- Diseases of sheep 2nd Ed. 1982
- A color atlas of small animal dermatology 1985

7.3. Recommended texts

- The Merck veterinary manual 9th 2005

7.4. Journals, Websitesetc

Journals:

Journal of Veterinary Science
Research in Veterinary Science
Preventive Veterinary Medicine
Journal of Veterinary Diagnostic Investigation

Websites:

- 1-www.OIE
- 2-www.FAO



Beni-Suef University
Faculty of Veterinary Medicine



Course specification

**Course Coordinators
Department**

Head of

Dr.Hosein Abd Al Aal



Course specification

Topic	Week	Intended learning outcomes of course (ILOs)			
		K&U (a)	I.S (b)	P.P.S (c)	G.T.S (d)
Epidemiologic Triad, The chain of infection, Maintenance of infection Principles of disease control.	1-6	a1,a2			
epidemiology of diseases of newly born animals	7-11	a1- a2- a3- a4	b1-b2- b3-b4		d1- d2 d3
Bovine abortion	12-16	a1- a2- a3- a4	b1-b2- b3-b4		
Infectious diseases causing digestive disorders.	17-21	a1- a2- a3	b1-b2- b3-b4	c2, c4	d3, d4
Infectious diseases causing respiratory manifestation.	22-26	a1- a2- a3- a4	b3-b4	c2	
Infectious diseases causing nervous manifestation.	27-31	a1- a2	b1-b2- b3		
Parasitic diseases of cattle	32-36	a1- a2	b1-b2- b3	c2, c4	



Course specification

1-Basic information

Course Code:	M-141
Course title:	Infectious diseases of sheep and goats
Program title:	MVSc
Contact hours/ week	4 hours per week (2 theoretical and 2 practical)
Approval Date	

2-Professional information

Overall aims of course:

This course aims to:

Employ the acquired knowledge of infectious diseases of sheep and goats together with other related topics and master different professional skills and techniques in diagnosis, prevention and control of infectious diseases of sheep and goats. Also, to support the basic knowledge about etiology, epizootiology, clinical signs, and diagnosis and control measures of infectious diseases of sheep and goats, demonstrate an understanding of basic control management procedures and protocols including isolation, quarantine and disinfection and provide opportunities to understand the molecular and cellular mechanisms of disease process.

3- Intended learning outcomes of course (ILOs)

A-Knowledge and understanding:

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

- a1- Identify the basic knowledge about etiological agents and pathogenesis of different infectious diseases of sheep and goats.
- a2- list the major field problems concerned with infectious diseases of sheep and goats.
- a3- Mention the basic knowledge about the treatment and control measures of different infectious diseases of sheep and goats.



Course specification

a4- Identify the important aspects regarding the diagnosis of different infectious diseases of sheep and goats.

B- Intellectual skills

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

b1- analyze the field problems to reach a preliminary diagnosis.

b2- suggest the suitable solutions during outbreaks and interpret the available data.

b3- use the basic information for analysis of epidemics of sheep and goats.

b4 -Enhance the ability to differentiate between infectious diseases of sheep and goats.

C-Professional and practical skills

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

c1- Perform the different methods and techniques of clinical examination.

c2- Perform the different sampling methods.

c3- Acquire the experience of planning of a control program.

c4- Plan and apply the different methods of control programs.

c5- Use epidemiological information of the early warning system for early diagnosis of infectious diseases.

D-General and transferable skills

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

d1-Enhance the skills of problem definition and how to deal with it.

d2-Enhance skills of epizootiological data analysis, and clinical and laboratory examinations.

d3- Enhance the experience of taking history in infected farms and increase the ability of organizing control programs.

d4- Collect the data of diseased animals in an informative and suitable manner.

Course specification

4-Topics and contents

Course	Topic	Hours	Lectures	Practical
Infectious diseases of sheep and goats	Introduction of sheep and goat's diseases (Epidemiologic Triad, The chain of infection, An introduction to epidemiology, Maintenance of infection, and Principles of disease control).	24	12	12
	Infectious diseases of newly born small ruminants	20	10	10
	Infectious diseases causing abortion.	20	10	10
	Infectious diseases causing digestive disorders.	20	10	10
	Infectious diseases causing respiratory manifestation.	20	10	10
	Infectious diseases causing nervous manifestation.	20	10	10
	Parasitic diseases of sheep and goats	20	10	10
	Total	144	72	72

5-Teaching and learning methods

5.1- Lectures and oral presentations

5.2- Clinical sections.

5.3- The use of multimedia aids e.g slide projector, data show, video tapes.

6-Student assessment

6.1. Assessments methods:

Method	Matrix alignment of the measured ILOs/ Assessments methods			
	K&U	I.S	P&P.S	G.S
Final Exam	a1- a2- a3-a4	b1- b2-		



Course specification

		b3-b4		
Practical Exam		b1	c4	d1
Oral Exam	a1- a2- a3- a4	b1- b2- b3-b4-		

6.2. Assessment schedules/semester:

Method	Week(s)
Writing exam	During December
Practical exam	During December
Oral exam	During December

6.3. Weight of assessments:

Assessment	Weight of assessment
Writing exam	50%
Practical exam	25%
Oral exam	25%
Total	100%

7- List of references

7.1. Notes and books

- Infectious diseases of domestic animals (2004/1588) by H.I.Hosein (2018) 4th Ed.

7.2. Essential books:

- Veterinary medicine 7th ed (A text book of the diseases of cattle, sheep, pigs, goats and horses) 1983.
- Veterinary clinical diagnosis 3th Ed. 1984
- Diseases of sheep 2nd Ed. 1982

7.3. Recommended texts

- The Merck veterinary manual 9th 2005

7.4. Journals, Websitesetc

Journals:

Journal of Veterinary Science

Research in Veterinary Science

Journal of Veterinary Diagnostic Investigation



Beni-Suef University
Faculty of Veterinary Medicine



Course specification

Websites:

- 1-www.google.com
- 2-www.OIE
- 3-www.FAO
- 4-www.Canine web sites

Course Coordinators

Head of Department

Dr. Hosein Abd Al Aal



Course specification

Topic	Week	Intended learning outcomes of course (ILOs)			
		K&U (a)	I.S (b)	P.P.S (c)	G.T.S (d)
Introduction of sheep and goats diseases (Epidemiologic Triad, The chain of infection, An introduction to epidemiology, Maintenance of infection, and Principles of disease control).	1-6	a1,a2			
Infectious diseases of newly born small ruminants	7-11	a1- a2- a3- a4	b1-b2- b3-b4		d1- d2 d3
Infectious diseases causing abortion.	12-16	a1- a2- a3- a4	b1-b2- b3-b4		
Infectious diseases causing digestive disorders.	17-21	a1- a2- a3	b1-b2- b3-b4	c2, c4	d3, d4
Infectious diseases causing respiratory manifestation.	22-26	a1- a2- a3- a4	b3-b4	c2	
Infectious diseases causing nervous manifestation.	27-31	a1- a2	b1-b2- b3		
Parasitic diseases of sheep and goats	32-36	a1- a2	b1-b2- b3	c2, c4	



Course specification

1-Basic information

Course Code:	M-142
Course title:	Infectious diseases of camels
Program title:	MVSc
Contact hours/ week	4 hours per week (2 theoretical and 2 practical)
Approval Date	

2-Professional information

Overall aims of course:

This course aims to:

Employ the acquired knowledge of infectious diseases of camels together with other related topics and master different professional skills and techniques in diagnosis, prevention and control of infectious diseases of camels. Also, to support the basic knowledge about etiology, epizootiology, clinical signs, and diagnosis and control measures of infectious diseases of camels, demonstrate an understanding of basic control management procedures and protocols including isolation, quarantine and disinfection and provide opportunities to understand the molecular and cellular mechanisms of disease process.

3- Intended learning outcomes of course (ILOs)

A-Knowledge and understanding:

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

- a1- Identify the basic knowledge about etiological agents and pathogenesis of different infectious diseases of camel.
- a2- list the major field problems concerned with infectious diseases of camel.
- a3- Mention the basic knowledge about the treatment and control measures of different infectious diseases of camels.
- a4- Identify the important aspects regarding the diagnosis of different



Course specification

infectious diseases of camels.

B- Intellectual skills

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

- b1- analyze the field problems to reach a preliminary diagnosis.
- b2- suggest the suitable solutions during outbreaks and interpret the available data.
- b3- use the basic information for analysis of epidemics of camels and to enable the students how to interpret the available data to achieve diagnosis.
- b4 -Enhance the ability to differentiate between infectious diseases of camels

C-Professional and practical skills

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

- c1- Perform the different methods and techniques of clinical examination.
- c2- Perform the different sampling methods.
- c3- Acquire the experience of planning of a control program.
- c4- Plan and apply the different methods of control programs.
- c5- Use epidemiological information of the early warning system for early diagnosis of infectious diseases of camels.

D-General and transferable skills

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

- d1-Enhance the skills of problem definition and how to deal with it.
- d2-Enhance skills of epizootiological data analysis, and clinical and laboratory examinations.
- d3- Enhance the experience of taking history and increase the ability of organizing control programs.
- d4- Collect the data of diseased animals in an informative and suitable manner.

4-Topics and contents

Course	Topic	Hours	Lectures	Practical
--------	-------	-------	----------	-----------

Course specification

Infectious diseases of camels	Introduction of infectious diseases of camels	24	12	12
	Infectious diseases of newly born camels	24	12	12
	Infectious diseases causing skin affections.	24	12	12
	Bacterial disorders.	24	12	12
	Viral diseases	24	12	12
	Parasitic diseases of camels	24	12	12
	Total	144	72	72

5-Teaching and learning methods

5.1- Lectures and oral presentations

5.2- Clinical sections.

5.3- The use of multimedia aids e.g slide projector, data show, video tapes.

6-Student assessment

6.1. Assessments methods:

Method	Matrix alignment of the measured ILOs/ Assessments methods			
	K&U	I.S	P&P.S	G.S
Final Exam	a1- a2- a3-a4	b1- b2- b3-b4		
Practical Exam		b1	c4	d1
Oral Exam	a1- a2- a3- a4	b1- b2- b3-b4-		

6.2. Assessment schedules/semester:

Method	Week(s)
Writing exam	During December
Practical exam	During December
Oral exam	During December



Course specification

6.3. Weight of assessments:

Assessment	Weight of assessment
Writing exam	50%
Practical exam	25%
Oral exam	25%
Total	100%

7- List of references

7.1. Notes and books

- Infectious diseases of domestic animals (2004/1588) by H.I.Hosein (2018) 4th Ed.

7.2. Essential books:

- Veterinary medicine 7th ed (A text book of the diseases of cattle, sheep, pigs, goats and horses) 1983.
- Veterinary clinical diagnosis 3th Ed. 1984
- Cattle diseases 1984
- Diseases of camels, Hagans 2nd Ed. 1982

7.3. Recommended texts

- The Merck veterinary manual 9th 2005

7.4. Journals, Websitesetc

Journals:

Journal of Veterinary Science

Research in Veterinary Science

Journal of Veterinary Diagnostic Investigation

Websites:

1-www.google.com

2-www.OIE

3-www.FAO

4-www.Canine web sites

Course Coordinators

Head of Department

Dr. Hosein Abd Al Aal



Course specification

Topic	Week	Intended learning outcomes of course (ILOs)			
		K&U (a)	I.S (b)	P.P.S (c)	G.T.S (d)
Introduction of infectious diseases of camels	1-6	a1,a2			
Infectious diseases of newly born camels	7-11	a1- a2- a3- a4	b1-b2- b3-b4		d1- d2 d3
Infectious diseases causing skin affections.	12-16	a1- a2- a3- a4	b1-b2- b3-b4		
. Bacterial disorders.	17-21	a1- a2- a3	b1-b2- b3-b4	c2, c4	d3, d4
Viral diseases	22-26	a1- a2- a3- a4	b3-b4	c2	
Parasitic diseases of camels	27-36	a1- a2	b1-b2- b3		



Course specification

1-Basic information

Course Code:	M-143
Course title:	Infectious diseases of equine
Program title:	MVSc
Contact hours/ week	4 hours per week (2 theoretical and 2 practical)
Approval Date	

2-Professional information

Overall aims of course:

This course aims to:

Employ the acquired knowledge of infectious diseases of equine together with other related topics and master different professional skills and techniques in diagnosis, prevention and control of infectious diseases of equine. Also, to support the basic knowledge about etiology, epizootiology, clinical signs, and diagnosis and control measures of infectious diseases of equine, demonstrate an understanding of basic control management procedures and protocols including isolation, quarantine and disinfection and provide opportunities to understand the molecular and cellular mechanisms of disease process.

3- Intended learning outcomes of course (ILOs)

A-Knowledge and understanding:

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

- a1- Identify the basic knowledge about etiological agents and pathogenesis of different infectious diseases of equine.
- a2- list the major field problems concerned with infectious diseases of equine.
- a3- Mention the basic knowledge about the treatment and control measures of different infectious diseases of equine.



Course specification

a4- Identify the important aspects regarding the diagnosis of different infectious diseases of equine.

B- Intellectual skills

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

- b1- analyze the field problems to reach a preliminary diagnosis.
- b2- suggest the suitable solutions during outbreaks and interpret the available data.
- b3- use the basic information for analysis of epidemics of equine and to enable the students how to interpret the available data to achieve diagnosis.
- b4 -Enhance the ability to differentiate between infectious diseases of equine.

C-Professional and practical skills

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

- c1- Perform the different methods and techniques of clinical examination.
- c2- Perform the different sampling methods.
- c3- Acquire the experience of planning of a control program.
- c4- Plan and apply the different methods of control programs.

D-General and transferable skills

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

- d1-Enhance the skills of problem definition and how to deal with it.
- d2-Enhance skills of epizootiological data analysis, and clinical and laboratory examinations.
- d3- Enhance the experience of taking history in infected farms and Increase the ability of organizing control programs.
- d4- Collect the data of diseased animals in an informative and suitable manner.

4-Topics and contents

Course	Topic	Hours	Lectures	Practical
--------	-------	-------	----------	-----------

Course specification

Infectious diseases of equine	Infection chain of infectious diseases of equine	24	12	12
	problems of newly born foals	20	10	10
	Exotic diseases	20	10	10
	Infectious diseases causing digestive disorders.	20	10	10
	Infectious diseases causing respiratory manifestation.	20	10	10
	Blood parasites of equine	20	10	10
	Prescribed tests for international trade.	20	10	10
	Total	144	72	72

5-Teaching and learning methods

5.1- Lectures and oral presentations

5.2- Clinical sections.

5.3- The use of multimedia aids e.g slide projector, data show, video tapes.

6-Student assessment

6.1. Assessments methods:

Method	Matrix alignment of the measured ILOs/ Assessments methods			
	K&U	I.S	P&P.S	G.S
Final Exam	a1- a2- a3-a4	b1- b2- b3-b4		
Practical Exam		b1	c4	d1
Oral Exam	a1- a2- a3- a4	b1- b2- b3-b4-		

6.2. Assessment schedules/semester:

Method	Week(s)
Writing exam	During December
Practical exam	During December
Oral exam	During December



Course specification

6.3. Weight of assessments:

Assessment	Weight of assessment
Writing exam	50%
Practical exam	25%
Oral exam	25%
Total	100%

7- List of references

7.1. Notes and books

- Infectious diseases of domestic animals (2004/1588) by H.I.Hosein (2018) 4th Ed.

7.2. Essential books:

- Veterinary medicine 7th ed (A text book of the diseases of cattle, sheep, pigs, goats and horses) 1983.
- Veterinary clinical diagnosis 3th Ed. 1984
- Equine diseases 1984
- A color atlas of equine diseases 1985

7.3. Recommended texts

- The Merck veterinary manual 9th 2005

7.4. Journals, Websitesetc

Journals:

Journal of Veterinary Science
Research in Veterinary Science
Preventive Veterinary Medicine
The veterinary journal
Journal of Veterinary Diagnostic Investigation

Websites:

- 1-www.google.com
- 2-www.OIE
- 3-www.FAO
- 4-www.Canine web sites

Course Coordinators

Head of Department

Dr. Hosein Abd Al Aal



Course specification

Topic	Week	Intended learning outcomes of course (ILOs)			
		K&U (a)	I.S (b)	P.P.S (c)	G.T.S (d)
Infection chain of infectious diseases of equine	1-6	a1, a2			
problems of newly born foals	7-11	a1- a2- a3- a4	b1-b2- b3-b4		d1- d2 d3
Exotic diseases	12-16	a1- a2- a3- a4	b1-b2- b3-b4		
Infectious diseases causing digestive disorders.	17-21	a1- a2- a3	b1-b2- b3-b4	c2, c4	d3, d4
Infectious diseases causing respiratory manifestation.	22-26	a1- a2- a3- a4	b3-b4	c2	
Blood parasites of equine	27-31	a1- a2	b1-b2- b3		
Prescribed tests for international trade.	32-36	a1- a2	b1-b2- b3	c2, c4	



Course specification

1-Basic information

Course Code:	M-144
Course title:	Infectious diseases of pets
Program title:	MVSc
Contact hours/ week	4 hours per week (2 theoretical and 2 practical)
Approval Date	

2-Professional information

Overall aims of course:

This course aims to:

Employ the acquired knowledge of infectious diseases of pets together with other related topics and master different professional skills and techniques in diagnosis, prevention and control of infectious diseases of pets. Also, to support the basic knowledge about etiology, epizootiology, clinical signs, and diagnosis and control measures of infectious diseases of pets, demonstrate an understanding of basic control management procedures and protocols including isolation, quarantine and disinfection and provide opportunities to understand the molecular and cellular mechanisms of disease process.

3- Intended learning outcomes of course (ILOs)

A-Knowledge and understanding:

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

- a1- Identify the basic knowledge about etiological agents and pathogenesis of different diseases of pet animals.
- a2- list the major disease problems concerned with infectious diseases of pet animals.
- a3- Mention the basic knowledge of treatment and control measures of different diseases of pet animals.
- a4- Identify the important aspects regarding the vaccination schedule of different diseases of pet animals.

B- Intellectual skills



Course specification

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

- b1- analyze the field problems to reach a preliminary diagnosis.
- b2- suggest the suitable solutions during epizootics.
- b3- use the basic information for analysis of epizootics of pet animals.
- b4 -Enhance the ability to differentiate between diseases of pet animals.

C-Professional and practical skills

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

- c1- Perform the different methods and techniques of clinical examination.
- c2- Perform the different sampling methods.
- c3- Acquire the experience of planning of a control program.
- c4- Plan and apply the different methods of control programs.

D-General and transferable skills

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

- d1-Enhance the skills of problem definition and how to deal with it.
- d2-Enhance skills of epizootiological data analysis, and clinical and laboratory examinations.
- d3- Enhance the experience of taking history in infected farms and increase the ability of organizing control programs.
- d4- Collect the data of diseased animals in an informative and suitable manner.

4-Topics and contents

Course	Topic	Hours	Lectures	Practical
Infectious diseases of pets	Introduction of infectious diseases of pets.	24	12	12
	Diseases of newly born pet animals	24	12	12
	Infectious diseases causing digestive disorders.	24	12	12



Course specification

	Infectious diseases causing respiratory manifestation.	24	12	12
	Infectious diseases causing skin affections	24	12	12
	Parasitic diseases of pet animals	24	12	12
	Total	144	72	72

5-Teaching and learning methods

5.1- Lectures and oral presentations

5.2- Clinical sections.

5.3- The use of multimedia aids e.g slide projector, data show, video tapes.

6-Student assessment

6.1. Assessments methods:

Method	Matrix alignment of the measured ILOs/ Assessments methods			
	K&U	I.S	P&P.S	G.S
Final Exam	a1- a2- a3-a4	b1- b2- b3-b4		
Practical Exam		b1	c4	d1
Oral Exam	a1- a2- a3- a4	b1- b2- b3-b4-		

6.2. Assessment schedules/semester:

Method	Week(s)
Writing exam	During December
Practical exam	During December
Oral exam	During December

6.3. Weight of assessments:

Assessment	Weight of assessment
Writing exam	50%
Practical exam	25%



Course specification

Oral exam	25%
Total	100%

7- List of references

71. Notes and books

- Infectious diseases of domestic animals (2004/1588) by H.I.Hosein (2018) 4th Ed.

7.2. Essential books:

- Textbook of Veterinary Internal Medicine: Diseases of the Cat and Dog. Stephen J. Ettinger 1905
- Veterinary medicine 7th ed (A text book of the diseases of cattle, sheep, pigs, goats and horses) 1983.
- A color atlas of small animal dermatology 1985

7.3. Recommended texts

- The Merck veterinary manual 9th 2005

7.4. Journals, Websitesetc

Journals:

Journal of Exotic Pet Medicine - Elsevier
Journal of Exotic Pet Medicine
Journal of Pet Animal Nutrition - J-Stage
Journal of Veterinary Science
Journal of Veterinary Diagnostic Investigation

Websites:

- 1-www.google.com
- 2-www.OIE
- 3-www.FAO
- 4-www.Canine web sites

Course Coordinators

Dr. Sherin Reda Rouby

Head of Department

Dr. Hosein Abd Al Aal



Course specification

Topic	Week	Intended learning outcomes of course (ILOs)			
		K&U (a)	I.S (b)	P.P.S (c)	G.T.S (d)
Introduction of infectious diseases of pets.	1-6	a1,a2			
Diseases of newly born pet animals	7-11	a1- a2- a3- a4	b1-b2- b3-b4		d1- d2 d3
Infectious diseases causing digestive disorders.	12-16	a1- a2- a3- a4	b1-b2- b3-b4		
Infectious diseases causing respiratory manifestation.	17-21	a1- a2- a3	b1-b2- b3-b4	c2, c4	d3, d4
Infectious diseases causing skin affections	22-26	a1- a2- a3- a4	b3-b4	c2	
Parasitic diseases of pet animals	27-36	a1- a2	b1-b2- b3		



Course specification

1-Basic information

Course Code:	M-145
Course title:	Infectious diseases of laboratory animals
Program title:	MVSc
Contact hours/ week	3 hours per week (1 theoretical and 2 practical)
Approval Date	

2-Professional information

Overall aims of course:

This course aims to:

Employ the acquired knowledge of laboratory animal's infectious diseases together with other related topics and master different professional skills and techniques in diagnosis, prevention and control of laboratory animal's infectious diseases. Also, to support the basic knowledge about etiology, epizootiology, clinical signs, and diagnosis and control measures of laboratory animal's infectious diseases, demonstrate an understanding of basic control management procedures and protocols including isolation, quarantine and disinfection and provide opportunities to understand the molecular and cellular mechanisms of disease process.

3- Intended learning outcomes of course (ILOs)

A-Knowledge and understanding:

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

- a1- identify the basic knowledge about etiological agents and pathogenesis of different infectious diseases of laboratory animals.
- a2- list the major problems concerned with infectious diseases of laboratory animals.
- a3- mention the basic knowledge about the treatment and control



Course specification

measures of different infectious diseases of laboratory animals.

a4- identify the important aspects regarding the diagnosis of different infectious diseases of laboratory animals.

B- Intellectual skills

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

b1- analyze the field problems to reach a preliminary diagnosis.

b2- suggest the suitable solutions during outbreaks.

b3- use the basic information for analysis of epidemics of laboratory animals and enable the students how to interpret the available data to achieve diagnosis.

b4 -enhance the ability to differentiate between infectious diseases of laboratory animals.

C-Professional and practical skills

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

c1- perform the different methods and techniques of clinical examination.

c2- perform the different sampling methods.

c3- acquire the experience of planning of a control program.

c4- plan and apply the different methods of control programs.

D-General and transferable skills

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

d1-enhance the skills of problem definition and how to deal with it.

d2-enhance skills of epizootiological data analysis, and clinical and laboratory examinations.

d3- enhance the experience of taking history in infected farms and Increase the ability of organizing control programs.

d4- collect the Data of diseased animals in an informative and suitable manner.

4-Topics and contents

Course	Topic	Hours	Lectures	Practical
--------	-------	-------	----------	-----------

Course specification

Infectious diseases of laboratory animals	Introduction of infectious diseases of laboratory animals	18	6	12
	Routes of inoculation in different laboratory animals	18	6	12
	Management of laboratory animals.	18	6	12
	Bacterial disorders.	18	6	12
	Viral diseases.	18	6	12
	Parasitic diseases	18	6	12
	Total	108	36	72

5-Teaching and learning methods

5.1- Lectures and oral presentations

5.2- Clinical sections.

5.3- The use of multimedia aids e.g slide projector, data show, video tapes.

6-Student assessment

1.1. Assessments methods:

Method	Matrix alignment of the measured ILOs/ Assessments methods			
	K&U	I.S	P&P.S	G.S
Final Exam	a1- a2- a3-a4	b1- b2- b3-b4		
Practical Exam		b1	c4	d1
Oral Exam	a1- a2- a3- a4	b1- b2- b3-b4-		

6.2. Assessment schedules/semester:

Method	Week(s)
Writing exam	During December
Practical exam	During December
Oral exam	During December

6.3. Weight of assessments:



Course specification

Assessment	Weight of assessment
Writing exam	50%
Practical exam	25%
Oral exam	25%
Total	100%

7- List of references

7.1. Notes and books

- Infectious diseases of domestic animals (2004/1588) by H.I.Hosein (2018) 4th Ed.

7.2. Essential books:

- Veterinary medicine 7th ed (A text book of the diseases of cattle, sheep, pigs, goats and horses) 1983.
- Laboratory animal diseases 3th Ed. 1984

7.3. Recommended texts

- The Merck veterinary manual 9th 2005

7.4. Journals, Websitesetc

Journals:

Journal of Veterinary Science

Research in Veterinary Science

Journal of Veterinary Diagnostic Investigation

Websites:

1-www.google.com

2-www.OIE

3-www.FAO

4-www.Canine web sites

Course Coordinators

Head of Department

Dr. Hosein Abd Al Aal



Course specification

Topic	Week	Intended learning outcomes of course (ILOs)			
		K&U (a)	I.S (b)	P.P.S (c)	G.T.S (d)
Introduction of infectious diseases of laboratory animals	1-6	a1,a2			
Routes of inoculation in different laboratory animals	7-11	a1- a2- a3- a4	b1-b2- b3-b4		d1- d2 d3
Management of laboratory animals	12-16	a1- a2- a3- a4	b1-b2- b3-b4		
Bacterial diseases.	17-21	a1- a2- a3	b1-b2- b3-b4	c2, c4	d3, d4
Viral diseases.	22-26	a1- a2- a3- a4	b3-b4	c2	
Parasitic diseases	27-36	a1- a2	b1-b2- b3		



Course specification

1-Basic information

Course Code:	M-146
Course title:	Infectious diseases of new born calves and udder
Program title:	MVSc
Contact hours/ week	4 hours per week (2 theoretical and 2 practical)
Approval Date	

2-Professional information

Overall aims of course:

This course aims to:

Employ the acquired knowledge of infectious diseases of new born calves and udder together with other related topics and master different professional skills and techniques in diagnosis, prevention and control of infectious diseases of new born calves and udder. Also, to support the basic knowledge about etiology, epizootiology, clinical signs, and diagnosis and control measures of infectious diseases of new born calves and udder, demonstrate an understanding of basic control management procedures and protocols including isolation, quarantine and disinfection and provide opportunities to understand the molecular and cellular mechanisms of disease process.

3- Intended learning outcomes of course (ILOs)

A-Knowledge and understanding:

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

- a1- Identify the basic knowledge about etiological agents and pathogenesis of different infectious diseases of calves and udder.
- a2- list the major field problems concerned with infectious diseases of calves and udder.
- a3- Mention the basic knowledge about the treatment and control



Course specification

measures of different infectious diseases of calves and udder.

a4- Identify the important aspects regarding the diagnosis of different infectious diseases of calves and udder.

B- Intellectual skills

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

b1- analyze the field problems to reach a preliminary diagnosis.

b2- suggest the suitable solutions during outbreaks and interpret the available data.

b3- use the basic information for analysis of epidemics of calves and enable the students how to interpret the available data to achieve diagnosis.

b4 -Enhance the ability to differentiate between infectious diseases of calves and udder.

C-Professional and practical skills

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

c1- Perform the different methods and techniques of clinical examination.

c2- Perform the different sampling methods.

c3- Acquire the experience of planning of a control program.

c4- Plan and apply the different methods of control programs.

D-General and transferable skills

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

d1-Enhance the skills of problem definition and how to deal with it.

d2-Enhance skills of epizootiological data analysis, and clinical and laboratory examinations.

d3- Enhance the experience of taking history in infected farms and increase the ability of organizing control programs.

d4- Collect the data of diseased animals in an informative and suitable manner.

4-Topics and contents

Course	Topic	Hours	Lectu	Practi
--------	-------	-------	-------	--------

Course specification

			res	cal
Infectious diseases of new born calves and udder	Introduction of infectious diseases of newly born animals	24	12	12
	Infectious diseases of newly born animals	24	12	12
	Infectious diseases causing diarrhea	24	12	12
	Infectious diseases causing respiratory manifestation.	24	12	12
	Mastitis	24	12	12
	Udder diseases	24	12	12
	Total	144	72	72

5-Teaching and learning methods

5.1- Lectures and oral presentations

5.2- Clinical sections.

5.3- The use of multimedia aids e.g slide projector, data show, video tapes.

6-Student assessment

6.1. Assessments methods:

Method	Matrix alignment of the measured ILOs/ Assessments methods			
	K&U	I.S	P&P.S	G.S
Final Exam	a1- a2- a3-a4	b1- b2- b3-b4		
Practical Exam		b1	c4	d1
Oral Exam	a1- a2- a3- a4	b1- b2- b3-b4-		

6.2. Assessment schedules/semester:

Method	Week(s)
Writing exam	During December
Practical exam	During December
Oral exam	During December



Course specification

6.3. Weight of assessments:

Assessment	Weight of assessment
Writing exam	50%
Practical exam	25%
Oral exam	25%
Total	100%

7- List of references

7.1. Notes and books

- Infectious diseases of domestic animals (2004/1588) by H.I.Hosein (2018) 4th Ed.

7.2. Essential books:

- Veterinary medicine 7th ed (A text book of the diseases of cattle, sheep, pigs, goats and horses) 1983.
- Bovine Medicine 3th Ed. 1984
- Cattle diseases 1984

7.3. Recommended texts

- The Merck veterinary manual 9th 2005

7.4. Journals, Websitesetc

Journals:

Journal of Veterinary Science
Research in Veterinary Science
Preventive Veterinary Medicine
The veterinary journal
Journal of Veterinary Diagnostic Investigation

Websites:

- 1-www.google.com
- 2-www.OIE
- 3-www.FAO
- 4-www.Canine web sites

Course Coordinators

Head of Department



Beni-Suef University
Faculty of Veterinary Medicine



Course specification

Dr. Hosein Abd Al Aal



Course specification

Topic	Week	Intended learning outcomes of course (ILOs)			
		K&U (a)	I.S (b)	P.P.S (c)	G.T.S (d)
Introduction of infectious diseases of newly born animals	1-6	a1,a2			
Epidemiology of infectious diseases of newly born animals	7-11	a1- a2- a3- a4	b1-b2- b3-b4		d1- d2 d3
Infectious diseases causing diarrhea	12-16	a1- a2- a3- a4	b1-b2- b3-b4		
Infectious diseases causing respiratory manifestation.	17-21	a1- a2- a3	b1-b2- b3-b4	c2, c4	d3, d4
Mastitis	22-26	a1- a2- a3- a4	b3-b4	c2	
udder diseases	27-36	a1- a2	b1-b2- b3		



Course specification

1-Basic information

Course Code:	M-147
Course title:	Infectious diseases of wildlife animals
Program title:	MVSc
Contact hours/ week	3 hours per week (1 theoretical and 2 practical)
Approval Date	

2-Professional information

Overall aims of course:

This course aims to:

Employ the acquired knowledge of infectious diseases of wildlife animals together with other related topics and master different professional skills and techniques in diagnosis, prevention and control of infectious diseases of wildlife animals. Also, to support the basic knowledge about etiology, epizootiology, clinical signs, and diagnosis and control measures of infectious diseases of wildlife animals, demonstrate an understanding of basic control management procedures and protocols including isolation, quarantine and disinfection and provide opportunities to understand the molecular and cellular mechanisms of disease process.

3- Intended learning outcomes of course (ILOs)

A-Knowledge and understanding:

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

- a1- Identify the basic knowledge about etiological agents and pathogenesis of different infectious diseases of wildlife animals.
- a2- list the major field problems concerned with infectious diseases of farm animals.
- a3- Mention the basic knowledge about the treatment and control measures of different infectious and non-infectious diseases of wildlife animals.
- a4- Identify the important aspects regarding the diagnosis of different



Course specification

infectious diseases of wildlife animals.

B- Intellectual skills

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

- b1- analyze the field problems to reach a preliminary diagnosis.
- b2- suggest the suitable solutions during outbreaks and interpret the available data.
- b3- use the basic information for analysis of epidemics of wildlife animals and to enable the students how to interpret the available data to achieve diagnosis.
- b4 -Enhance the ability to differentiate between infectious diseases of wildlife animals.

C-Professional and practical skills

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

- c1- Perform the different methods and techniques of clinical examination.
- c2- Perform the different sampling methods.
- c3- Acquire the experience of planning of a control program.
- c4- Plan and apply the different methods of control programs.

D-General and transferable skills

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

- d1-Enhance the skills of problem definition and how to deal with it.
- d2-Enhance skills of epizootiological data analysis, and clinical and laboratory examinations.
- d3- Enhance the experience of taking history in infected farms and increase the ability of organizing control programs.
- d4- Collect the data of diseased animals in an informative and suitable manner.



Course specification

4-Topics and contents

Course	Topic	Hours	Lectures	Practical
Infectious diseases of wildlife animals	Introduction of infectious diseases of wild life	18	6	12
	Ecology of wild life	18	6	12
	Different ecosystems.	18	6	12
	Management of different wild life animals	18	6	12
	Infectious diseases of wild life	18	6	12
	Control of diseases of wild life	18	6	12
	Total	108	36	72

5-Teaching and learning methods

5.1- Lectures and oral presentations

5.2- Clinical sections.

5.3- The use of multimedia aids e.g slide projector, data show, video tapes.

6-Student assessment

1.1. Assessments methods:

Method	Matrix alignment of the measured ILOs/ Assessments methods			
	K&U	I.S	P&P.S	G.S
Final Exam	a1- a2- a3-a4	b1- b2- b3-b4		
Practical Exam		b1	c4	d1
Oral Exam	a1- a2- a3- a4	b1- b2- b3-b4-		

6.2. Assessment schedules/semester:

Method	Week(s)
Writing exam	During December
Practical exam	During December
Oral exam	During December



Course specification

6.3. Weight of assessments:

Assessment	Weight of assessment
Writing exam	50%
Practical exam	25%
Oral exam	25%
Total	100%

7- List of references

7.1. Notes and books

- Infectious diseases of domestic animals (2004/1588) by H.I.Hosein (2018) 4th Ed.

7.2. Essential books:

- Essentials of Disease in Wild Animals, Gary A. Wobeser
- Disease in Wild Animals: Investigation and Management, Gary A. Wobeser (Author)
- Veterinary medicine 7th ed (A text book of the diseases of cattle, sheep, pigs, goats and horses) 1983.
- A color atlas of small animal dermatology 1985

7.3. Recommended texts

- The Merck veterinary manual 9th 2005

7.4. Journals, Websitesetc

Journals:

Journal of Wildlife Diseases
European Journal of Wildlife Research - Springer
Journal of Zoo and Wildlife Medicine
International Journal for Parasitology: Parasites and Wildlife
Journal of Veterinary Diagnostic Investigation

Websites:

- 1-www.google.com
- 2-www.OIE
- 3-www.FAO
- 4-www.Canine web sites



Beni-Suef University
Faculty of Veterinary Medicine



Course specification

Course Coordinators

Head of Department
Dr. Hosein Abd Al Aal



Course specification

Topic	Week	Intended learning outcomes of course (ILOs)			
		K&U (a)	I.S (b)	P.P.S (c)	G.T.S (d)
Introduction of infectious diseases of wild life	1-6	a1,a2			
Ecology of wild life	7-11	a1- a2- a3- a4	b1-b2- b3-b4		d1- d2 d3
Different ecosystems.	12-16	a1- a2- a3- a4	b1-b2- b3-b4		
Management of different wild life animals	17-21	a1- a2- a3	b1-b2- b3-b4	c2, c4	d3, d4
Infectious diseases of wild life	22-26	a1- a2- a3- a4	b3-b4	c2	
Control of diseases of wild life	27-36	a1- a2	b1-b2- b3		