

Course Syllabus

1	Course title	Animal health
2	Course number	602231
3	Credit hours (theory, practical)	3
	Contact hours (theory, practical)	(3,0)
4	Prerequisites/corequisites	Principles of animal production
5	Program title	B.Sc. Animal Production
6	Program code	602
7	Awarding institution	The University of Jordan
8	School	School of agriculture
9	Department	Department of animal production
10	Level of course	3 rd year
11	Year of study and semester (s)	Third year (first and second semester)
12	Final Qualification	Bachelor
13	Other department (s) involved in teaching the course	None
14	Main teaching language	English
15	Online platforms(s)	<input checked="" type="checkbox"/> Moodle <input checked="" type="checkbox"/> Microsoft Teams <input type="checkbox"/> Skype <input type="checkbox"/> Zoom <input checked="" type="checkbox"/> Others.....
16	Issuing/Revision Date	28/10/2021

16. Course Coordinator:

Office numbers, office hours, phone numbers, and email addresses should be listed.

Name: Firas Mahmoud Hayajneh

Office number: 112

Phone number: 00962792799430

Email: firashope@gmail.com

17. Other instructors:

Office numbers, office hours, phone numbers, and email addresses should be listed.

18. Course Description:

As stated in the approved study plan.

A basic understanding of animal health and animal disease states is essential for effective animal management and care systems. The objectives of this course are to familiarize the students with disease processes and mechanisms whereby animals are able to combat of contagious diseases.

19. Course aims and outcomes:

A- Aims:

By the end of the course the student is expected to be able to:

1. Understand the factors that influence initiation and progression of disease in animals, including:

B- Students Learning Outcomes (SLOs):

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

Program ILOs*	ILO (1)	ILO (2)	ILO (3)	ILO (4)	ILO (5)	ILO (6)	ILO (7)	ILO (8)
Course SLOs								
1. Provide students with ready and accessible source of information about the factors affecting the health of livestock under modern condition of husbandry, Environmental/management factors that contribute to or minimize occurrence of disease.	X							
2. Be able to recognize, understand, and use accepted medical/scientific/management terms.	X							
3. Understand the management aspects of animal health and the importance of disease prevention.	X							
4. Be able to design management programs to address health concerns in farm animal species.	X							

*** Program ILOs:**

B- Intended Learning Outcomes (ILOs): Upon successful completion of this course students will be able to:

- ILO (1): Demonstrate a deep understanding of the basic principles in the various areas of livestock production; including nutrition, physiology, genetics, health and management.
- ILO (2): Apply the acquired knowledge in various areas of livestock production.
- ILO (3): Utilize critical thinking and logical reasoning in addressing issues related to livestock production.
- ILO (4): Communicate effectively with a wide range of related stakeholders and provide appropriate extension services.
- ILO (5): Apply the principles of public safety and environmental protection.
- ILO (6): Acquire and apply practical skills along with keeping up with recent advances in livestock production.
- ILO (7): Identify basic principles of research methodology and evidence-based decision making.
- ILO (8): Abide by the professional, ethical and legal considerations relevant to the livestock production

20. Topic Outline and Schedule:

Development of ILOs is promoted through the following teaching and learning methods:					
Topic	week	Instructor	Achieved ILOs	Evaluation methods	References
SIGNS OF HEALTH	1	Dr Firas Hayajneh	B1,2, A3, 4	Assignments, quizzes and report	Reference 1 and 2 in the list
Examination for soundness	1	Dr Firas Hayajneh	A1, 2, 3	Assignments, quizzes, and report	Reference 1 and 2 in the list
Dentations	1	Dr Firas Hayajneh	B1,2, A3, 4	Assignments, quizzes, and report	Reference 1 and 2 in the list
AIR AND VANTILATION	1	Dr Firas Hayajneh	A2, C1, 2, 3	Assignments, quizzes and report	Reference 1 and 2 in the list
Air contents	1	Dr Firas Hayajneh	B1,4, C1, D1, 2, 3, 4	Assignments, quizzes, and report	Reference 1 and 2 in the list
Stable air impurities	2	Dr Firas Hayajneh	A4, B4, C1 2 3 4	Assignments, quizzes and report	Reference 1 and 2 in the list
Fresh air requirements	2	Dr Firas Hayajneh	A1, 2, 3	Assignments, quizzes, and report	Reference 1 and 2 in the list
WATER	2	Dr Firas Hayajneh	B1,2, A3, 4	Assignments, quizzes and report	Reference 1 and 2 in the list

Important of water	3	Dr Firas Hayajneh	A2, C1, 2, 3	Assignments, quizzes and report	Reference 1 and 2 in the list
Examination of water	3	Dr Firas Hayajneh	B1,4, C1, D1, 2, 3, 4	Assignments, quizzes and report	Reference 1 and 2 in the list
Hardness of water	3	Dr Firas Hayajneh	A4, B4, C1 2 3 4	Assignments, quizzes and report	Reference 1 and 2 in the list
Improvement of water	4	Dr Firas Hayajneh	A1, 2, 3	Assignments, quizzes and report	Reference 1 and 2 in the list
Terminology	4	Dr Firas Hayajneh	A2, C1, 2, 3	Assignments, quizzes and report	Reference 1 and 2 in the list
Factors affecting the action of disinfectants	5	Dr Firas Hayajneh	B1,4, C1, D1, 2, 3, 4	Assignments, quizzes and report	Reference 1 and 2 in the list
Mode of action of the disinfectants	5	Dr Firas Hayajneh	A1, 2, 3	Assignments, quizzes and report	Reference 1 and 2 in the list
Terminology	5	Dr Firas Hayajneh	B1,2,A3, 4	Assignments, quizzes and report	Reference 1 and 2 in the list
Factors affecting the action of disinfectants	5	Dr Firas Hayajneh	A2, C1, 2, 3	Assignments, quizzes and report	Reference 1 and 2 in the list
Mode of action of the disinfectants	6	Dr Firas Hayajneh	B1,4, C1, D1, 2, 3, 4	Assignments, quizzes and report	
Methods of sterilization and disinfectants	7	Dr Firas Hayajneh	A4, B4, C1 2 3 4	Assignments, quizzes and report	Reference 1 and 2 in the list
Disinfecting and viruses	8	Dr Firas Hayajneh	A1, 2, 3	Assignments, quizzes and report	Reference 1 and 2 in the list
Disinfecting of buildings and equipments	8	Dr Firas Hayajneh	A1, 2, 3	Assignments, quizzes and report	Reference 1 and 2 in the list
COMBATING OF CONTAGIOUS DISEASES Notification Isolation Some of the noticeable diseases	8	Dr Firas Hayajneh	B1,2,A3, 4	Assignments, quizzes and report	Reference 1 and 2 in the list
Quarantine measures Vaccination	9	Dr Firas Hayajneh	A2, C1, 2, 3	Assignments, quizzes and report	Reference 1 and 2 in the list
Sanatorially disposal of carcasses	9	Dr Firas Hayajneh	B1,4, C1, D1, 2, 3, 4	Assignments, quizzes and report	Reference 1 and 2 in the list
Eradication of the skin parasites Control of rodents	9	Dr Firas Hayajneh	A4, B4, C1 2 3 4	Assignments, quizzes and report	Reference 1 and 2 in the list
NORMAL PROTECTIVE MECHANISM OF	9	Dr Firas Hayajneh	A1, 2, 3	Assignments, quizzes and report	Reference 1 and 2 in the list

BODY The first line of defense						
The inflammatory reaction	10	Dr Firas Hayajneh	B1,2,A3, 4	Assignments, quizzes and report	Reference 1 and 2 in the list	
Signs of inflammation Immunity	10	Dr Firas Hayajneh	A2, C1, 2, 3	Assignments, quizzes and report	Reference 1 and 2 in the list	
Anthrax Mastitis	10	Dr Firas Hayajneh	B1,4, C1, D1, 2, 3, 4	Assignments, quizzes and report	Reference 1 and 2 in the list	
Enterotoxaemia	11	Dr Firas Hayajneh	A4, B4, C1 2 3 4	Assignments, quizzes and report	Reference 1 and 2 in the list	
Tuberculosis	12	Dr Firas Hayajneh	B1,2,A3, 4	Assignments, quizzes and report	Reference 1 and 2 in the list	
Brucellosis Actinomycosis	12	Dr Firas Hayajneh	A1, 2, 3	Assignments, quizzes and report	Reference 1 and 2 in the list	
Cattle plague Rift Valley fever West Nile fever	1	Dr Firas Hayajneh	B1,2,A3, 4	Assignments, quizzes and report	Reference 1 and 2 in the list	
Contagions pustular dermatitis	13	Dr Firas Hayajneh	A2, C1, 2, 3	Assignments, quizzes and report	Reference 1 and 2 in the list	
Foot and Mouth disease Pox	13	Dr Firas Hayajneh	B1,4, C1, D1, 2, 3, 4	Assignments, quizzes and report	Reference 1 and 2 in the list	
Rabies	13	Dr Firas Hayajneh	A4, B4, C1 2 3 4	Assignments, quizzes and report	Reference 1 and 2 in the list	
Salmonellosis Taeniasis	14	Dr Firas Hayajneh	A1, 2, 3	Assignments, quizzes and report	Reference 1 and 2 in the list	
Hydatid disease Mange	14	Dr Firas Hayajneh	B1,2,A3, 4	Assignments, quizzes and report	Reference 1 and 2 in the list	
PROTOZOAN DISEASES Babesiosis Coccidiosis Trypanosomiasis	14	Dr Firas Hayajneh	A1, 2, 3	Assignments, quizzes and report	Reference 1 and 2 in the list	
INTERNAL PARASITES Lung worms Fasciolasis Taeniasis Gastro-intestinal parasites	15	Dr Firas Hayajneh	B1,2,A3, 4	Assignments, quizzes and report	Reference 1 and 2 in the list	
EXTERNAL PARASITES Ticks infestation Lice infestation Scab	15	Dr Firas Hayajneh	A2, C1, 2, 3	Assignments, quizzes and report	Reference 1 and 2 in the list	
METABOLIC DISORDERS	16	Dr Firas Hayajneh	B1,4, C1, D1, 2, 3, 4	Assignments, quizzes and	Reference 1 and 2 in the list	

Milk fever Clinical disorders Tympany Indigestion Constipation Diarrhea Metritis				report	
FIRST AID IN THE DAIRY FARM Broken horn and broken tail Sun stroke and snake Bite Bleeding Wounds	16	Dr Firas Hayajneh	A1, 2, 3	Assignments, quizzes and report	Reference 1 and 2 in the list
Foot wounds Choke Abscess Fractured bone Burns fire and chemicals	16	Dr Firas Hayajneh	B1,2,A3, 4	Assignments, quizzes and report	Reference 1 and 2 in the list

22. Evaluation Methods and Course Requirements:

Opportunities to demonstrate achievement of the ILOs are provided through the following assessment methods and requirements:

Evaluation Activity	Learning Methods	Evaluation Methods
A. Knowledge and Understanding (A1-A4)	Online Lectures and Discussions	Exam, and assignments
. Intellectual Analytical and Cognitive Skills (B1-B3)	Online Lectures and Discussions	Exam, and assignments
C. Subject Specific Skills (C1-C4)	Online Lectures and Discussions	Exam, and assignments
D. Transferable Key Skills (D1-D4)	Online Lectures and Discussions	Exam, and assignments

Evaluation Activity	Mark	Topic(s)	SLOs	Period (Week)	Platform
Quizzes & Homeworks	20%	Different topics of the course	See the students	Throughout the semester	Face to Face

Midterm Exam	30%	Topics covered until the end of week 9	learning outcomes (SLOs) table	9 (26-4-2022)	Face to Face
Final Exam	50%	All covered topics		16 (According to admission and registration unit)	Face to Face

23. Course Policies:

<p>A- Attendance policies:</p> <p>B- Absences from exams and handing in assignments on time:</p> <p>C- Health and safety procedures:</p> <p>D- Honesty policy regarding cheating, plagiarism, misbehavior:</p> <p>E- Grading policy:</p> <p>F- Available university services that support achievement in the course:</p>
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24. Required equipment: (Facilities, Tools, Labs, Training....)

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25. References:

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A- Required book(s), assigned reading and audio-visuals:

1. Animal Health (3rd Edition)

Animal health, disease and welfare of farm livestock, david Sainsbury, Collins professional and technical books, ISBN: 0-246-11625-0

2. The Merck Veterinary Manual, 10th edition, 2010 or previous editions (8th or 9th)

Cynthia M. Kahn (Editor), Scott Line (Associate Editor). Wiley Company. ISBN: 978-0-911910-93-3

26. Additional information:

Name of Course Coordinator: Dr Firas Mahmoud Hayajneh Signature: ----- Date: 28/10/2021

Head of curriculum committee/Department: ----- Signature: -----

Head of Department: ----- Signature: -----

Head of curriculum committee/Faculty: ----- Signature: -----

Dean: ----- -Signature: -----