Jordan University of Science and Technology

Faculty of Agriculture

Animal Production Department

AP411 Animal Health
First Semester 2021-2022

Course Catalog
2 Credit Hours. The course introduces animal science students to basics of animal health and hygiene, from an animal farming standpoint. Students are first introduced to the fine lines separating livestock producers and engineers from veterinarians, in terms of policies, ethics and procedures and rights of practice. Then, they learn how to distinguish between sick and healthy animals, and how to carry out quarantine protocols. Additional concepts include: pathogenesis, common metabolic ailment formations, contagions, zoonosis and prophylaxis. Major focus is given towards methods of controlling contaminants as well as types and action modes of disinfectants. Finally, verification of several common field livestock diseases and their treatments are tackled.

Text Book	
Title	Diseases and Parasites of Livestock in the Tropics.
Author(s)	H.T.B. Hall.
Edition	2nd Edition
Short Name	Ref. 1
Other Information	

Course References

Short name	Book name	Author(s)	Edition	Other Information
Ref. 2	Animal Health.	D. Sainsbury	2nd Edition	

Instructor	
Name	**Prof. Hosam Al-Tamimi**
Office Location	-
Office Hours	Sun : 14:00 - 14:30 Mon : 09:00 - 11:30 Tue : 14:00 - 14:30 Wed : 09:00 - 11:30
Email	hjaltamimi@just.edu.jo

Class Schedule & Room
Section 1: Lecture Time: Mon : 13:00 - 14:00 Room: C5021 Section 2: Lecture Time: Wed : 13:00 - 14:00 Room: C5021

Tentative List of Topics Covered		
Weeks	**Topic**	**References**
Week 1	Introduction to course, teaching philosophy, and course assignments	From **Ref. 1**, From **Ref. 2**
Week 1	The nature of disease	From **Ref. 1**, From **Ref. 2**
Week 2	Sanitation and disease control, disinfection and disinfectants.	From **Ref. 2**
Week 3	Quarantine in disease control. Health and environment: housing, air and water factors.	From **Ref. 1**, From **Ref. 2**
Week 4	Hereditary factors and abnormalities	From **Ref. 2**
Week 5	Basic husbandry and principal management practices	From **Ref. 1**, From **Ref. 2**
Week 6	Animal immunity, disease and welfare	From **Ref. 2**
Week 7	Animal diseases associated with the digestive system	From **Ref. 1**, From **Ref. 2**
Week 8	Animal diseases associated with the genitourinary system	From **Ref. 1**, From **Ref. 2**
Week 9	Animal diseases associated with the respiratory system	From **Ref. 2**
Week 10	Animal diseases associated with the circulatory system	From **Ref. 2**
Week 11	Animal diseases associated with the nervous system	From **Ref. 1**, From **Ref. 2**
Weeks 12, 13	Generalized and metabolic diseases	From **Ref. 1**, From **Ref. 2**
Week 14	Localized Diseases of the Skin and Extremities	From **Ref. 2**
Week 15	Plant and chemical toxicosis and poisoning	From **Ref. 2**
Week 16	Parasitology (endoparasites, ectoparasites, and their control)	From **Ref. 1**

Mapping of Course Outcomes to Program Student Outcomes	Course Outcome Weight (Out of 100%)	Assessment method

Ability to recognize animal health abnormalities [1SLO 1, 1SLO 3]	40%	

Relationship to Program Student Outcomes (Out of 100%)			
SLO 1	SLO 2	SLO 3	SLO 4
20		20	

Evaluation	
Assessment Tool	**Weight**
MidTerm Exam	50%
Final exam	50%

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