

جامعة دمنهور

كلية الطب البيطري

قسم صحة الحيوان و الأمراض المشتركة

توصيف مقرر صحة الحيوان و الدواجن

بيانات المقرر

5AAHG	الرمز الكودي:
Animal and Poultry Hygiene – صحة الحيوان و الدواجن	إسم المقرر:
الخامسة	الفرقة/المستوى:
بكالوريوس العلوم الطبية البيطرية	التخصص:
نظري: 3 (ساعات أسبوعياً)	عدد الوحدات الدراسية
عملي: 2 (ساعات أسبوعياً)	الفصل الدراسي الأول

1- Aims of the Course:

By the end of this course, the student would gain the basic principles and practices required in the veterinary field for preventing the spread of contagious diseases, eradicating skin parasites and providing suitable housing conditions for various classes of animals and poultry.

2- Intended Learning Outcomes :**2/1 Knowledge and Understanding :**

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

- 2/1/1 Define contagious diseases infecting animals and poultry.
- 2/1/2 Identify the possible sources of transmission of contagious diseases to animals and poultry.
- 2/1/3 Point the measures of prevention and eradication of contagious diseases.
- 2/1/4 Explain theories of action of chemical disinfectants.
- 2/1/5 Discuss factors affecting the efficiency of chemical disinfectants.
- 2/1/6 Summarize the harmful effects of skin parasites on animals and poultry.
- 2/1/7 Describe methods used in eradication of skin parasites.
- 2/1/8 Outline the basic hygienic requirements in constructing animal houses.
- 2/1/9 Describe systems used for housing animals and poultry suitable for various conditions.
- 2/1/10 Outline types of epidemiological investigations and patterns of disease occurrence.
- 2/1/11 Explain the basics of animal transportation and its impact on animal health.

2/2 Intellectual Skills:

By the end of this course, the student should have the capacity to:

- 2/2/1 Interpret epidemiological information about spreading of contagious diseases.
- 2/2/2 Suggest control plans of contagious diseases within animal farms.
- 2/2/3 Decide on the best type of disinfectants and insecticide to use under field condition.
- 2/2/4 Choose the suitable type of housing according to the hygienic requirements of different purposes of production for each animal species.

2/3 Professional and Practical Skills :**By the end of this course, the student should attain the capacity to:**

- 2/3/1 Apply the suitable disinfection procedures to control contagious diseases inside animal houses.
- 2/3/2 Apply the suitable insecticides to control ectoparasites affecting different animal species.
- 2/3/3 Identify biosecurity measures applied in different animal farms.
- 2/3/4 Estimate the efficiency of the chemical disinfectants under field condition.

2/4 General and Transferable Skills:**By the end of this course, the student should be able to:**

- 2/4/1 Organize and control tasks and resources.
- 2/4/2 Communicate effectively with others.
- 2/4/3 Work in multidisciplinary team.
- 2/4/4 Use computer programs to make presentations
- 2/4/5 Browse the internet skillfully to update knowledge.

3-Course Content:

The first Semester				
Topic	Hours	Lectures	Practical	ILOS
- Body portal of entry for pathogens to animal body.	2	2	-	2/1/1, 2/1/2,
- Measures of combating of contagious diseases	4	4	-	2/1/3, 2/2/1, 2/2/2
- Disinfection	4	4	-	2/1/4, 2/1/5, 2/2/3
- Quarantine.	1	1	-	2/1/3,
- Disposal of carcasses.	1	1	-	2/1/3,
- The effect of ectoparasites on animal health	1	1	-	2/1/6
- Eradication of ticks	2	2	-	2/1/7
- The dipping of sheep and goats	1	1	-	2/1/7
- The dipping of equipments	1	1	-	2/1/7
- Eradication of mites	1	1	-	2/1/7
- Construction of animal houses	2	2	-	2/1/8, 2/1/9
- The drainage of the excreta from animal houses	2	2	-	2/1/8, 2/1/9
- Ventilation	1	1	-	2/1/8, 2/1/9
- Horse stable	2	2	-	2/1/8, 2/1/9, 2/2/4
- Cow house system	2	2	-	2/1/8, 2/1/9, 2/2/4
- Milk house system, Housing cows in yards	2	2	-	2/1/8, 2/1/9, 2/2/4
- Housing of bulls, calves and beef cattle	2	2	-	2/1/8, 2/1/9, 2/2/4
- Housing of sheep	2	2	-	2/1/8, 2/1/9, 2/2/4
- Microclimates of poultry house	2	2	-	2/1/8, 2/1/9

- Systems of poultry housing	2	2	-	2/1/8, 2/1/9, 2/2/4
- Definition and uses of epidemiology.	2	2	-	2/1/10
- Types of epidemiological investigation.	1	1	-	2/1/10
- The sources of infection	1	1	-	2/1/10
- Transmission and maintenance of diseases	1	1	-	2/1/10
- Patterns of disease occurrence	1	1	-	2/1/10
- Hygiene of animal transportation	2	2	-	2/1/11
- Biosecurity inside animal farms	16	-	16	2/3/3
- Testing of a disinfectant.	2	-	2	2/3/4
- Inorganic disinfectants.	4	-	4	2/3/1
- Organic disinfectants.	4	-	4	2/3/1
- Insecticides.	4	-	4	2/3/2
- Student activities - Writing short essays on insecticides and disinfectants. - Prepare pp presentations - Seminars on presentations. - Prepare models for various animal houses				
	75	45	30	

4- Methods of Teaching and Learning

- 1- Lectures Using Data Show and Video Films.
- 2- Practical lesson: Identify the samples of insecticides and disinfectants commonly used in veterinary field in addition to display movies showing the procedures of disinfection and eradication of ectoparasites and biosecurity measures.
- 3- Seminars: on the topics of the course
- 4- Essay prepared from Library and Internet. Student assignment and discussion in presence of other students in the same specialty.
- 5- Presentation prepared and presented by the student in presence of other students in the same specialty.

5- Methods of Teaching and Learning for Students With limited capabilities:

1. Organize limited number students' class for these students.
2. Activate the role played by the scientific guide to discover the problems of these students then try to solve them.
3. Using various modes of learning strategies.
4. Students should participate in collecting the course material.

6- Student Assessment

6/1. Methods	Measured ILO's			
	Knowledge & Understanding	Intellectual Skills	Professional and Practical Skills	General and Transferable Skills
Students activities				2/4/1, 2/4/2, 2/4/3, 2/4/4, 2/4/5
Written Exams	2/1/1, 2/1/2, 2/1/3, 2/1/4, 2/1/5, 2/1/6,			

	2/1/7, 2/1/8, 2/1/9, 2/1/10, 2/1/11			
Practical Exams			2/3/1, 2/3/2, 2/3/3, 2/3/4,	
Oral Exams	2/1/1, 2/1/8,	2/2/1, 2/2/2, 2/2/3, 2/2/4,		2/4/2
Written Exams: Short Essay – MCQ- case study – compare				
Practical Exams: Identify the samples of insecticides and disinfectants.				
Oral Exams: According to the Basics of Oral Exams (Faculty Council 11 April, 2010)				
Periodical Written Exams: MCQ, complete, Give reasons				
Students activities:				
6/2. Timing	1- Student activities (through out the semester). 2- Periodical Written Exams (5 th , 9 th and 13 th weeks). 3- Final Practical Exam (16 th week). 4- Final Written Exam (16 th week). 5- Final Oral Exam (16 th week).			
6/3. Grade Distribution		Methods		Grade
	1	Periodical Written Exams		12 %
	2	Student activities		8 %
	3	Final Practical Exam		20 %
	4	Final Written Exam		50 %
	5	Final Oral Exam		10 %
		Total		100 %

7- List of Text Books and References:**1-Essential text Books :**

- Grandin, T. (2008): Improving Animal Welfare: A practical approach. CABI publishing USA.
- Thursfield, M. (2006): Veterinary Epidemiology 2nd ed. Pharmaceutical press London.

2- Suggested Text Books:

- Appleby, C.M., Mench, J.A. and Hughes, B.O., 2004. Poultry behavior and welfare. CABI publishing USA.

3-Periodical and Web Sites:

- Tropical Animal Health and Production Journal.
- Journal of Veterinary Epidemiology
- Veterinary Bulletin Journal.
- www.oie.int

Head of department	Course Coordinator
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