

Course Syllabus

Course: *Animal Health and Disease*

Department: *Biology*

Host Institution: *University of Nicosia, Cyprus*



UNIVERSITY
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Semesters

Course Summary

Course Code	Course Title	ECTS Credits
BIOL-315	Animal Health and Disease	6
Subject	Contact Hours	Prerequisites
Animal Science	42-45	Two Biology Courses
Department	Level of Course	Language of Instruction
Biology	Upper-Division	English

Course Description

This course is designed for the pre-veterinary, animal science or zoology student to gain working knowledge on comparative anatomy and physiology of canines, felines and equines. Topics covered will include nutrition, reproduction, medicine and current trends in veterinary care. The course is introductory but intense, with field studies intentionally built into the schedule to accommodate individual interests of the students taking the course. Lab sessions will also be held in the UNIC Veterinary Medicine School's anatomy lab.

Prerequisites *(if applicable)*

Junior Standing, Two College-Level Biology Courses.

Course Outline

1. Nutrition

- 1.1 Canine nutrition
- 1.2 Feline nutrition
- 1.3 Equine nutrition

2. Reproduction

- 2.1 Canine breeding and neonatal care
- 2.2 Feline breeding and neonatal care
- 2.3 Equine breeding and neonatal care
- 2.4 Reproductive pathology

3. Canine and feline Medicine

- 3.1 Non-infectious diseases
- 3.2 Parasitology and parasitic diseases
- 3.3 Microbiology and infectious diseases
- 3.4 Preventive Medicine
- 3.5 Canine and feline emergencies

4. Equine Medicine

- 4.1 Pathologies of the equine athlete
- 4.2 Parasitology and parasitic diseases
- 4.3 Microbiology and infectious diseases
- 4.4 Preventive Medicine
- 4.5 Equine emergencies

5. Current trends in veterinary care

- 5.1 Diagnostic imaging
- 5.2 Laboratory diagnostics
- 5.3 Pathology
- 5.4 Surgical skills
- 5.5 Perioperative care

Evaluation and Grading

Midterm Exam: **20%**

Final Exam: **40%**

In-Class Participation: **20%**

Field Study Participation: **20%**

Readings and Resources

Required Texts

Handouts and Articles Provided.

Optional Reading

1. The Merck Veterinary Manual, 8th Ed., Merck & Co., ISBN: 009-11910298.
2. Animal Sciences: The Biology, Care and Production of Domestic Animals (4th edition), J.R. Campbell, M. D.
3. Council Directive 98/58/EC of July 1998. Protection of Farmed Animals.
4. Council Directive 2007/43/EC of 28 June 2007. Laying Down Minimum Rules for the Protection of Chickens Kept for Meat Production.
5. Council Directive 1999/74/EC of 19 July 1999. Laying Down Minimum Standards for the Protection of Laying Hens.
6. Council Directive 91/630/EEC of 19 November 1991. Laying Down Minimum Standards for the Protection of Pigs.
7. Council Directive 2008/119/EC of 18 December 2008. Laying Down Minimum Standards for Protection of Calves.
8. Council Regulation (EC) No 1/2005 of 22 December 2004. On the Protection of Animal During Transport.
9. Council Regulation (EC) No. 1099/2009 of 24 September 2009. On the Protection of Animals at the Time of Killing.

Other Academic Policies

Class attendance is compulsory. If unable to attend a class, students must inform the course lecturer in advance. A maximum of 20% excused absences is tolerated; however beyond this percentage, students will be withdrawn from the course. Moreover, any work missed due to absence must be completed on return to class.