

Información del Plan Docente

Academic Year	2017/18
Faculty / School	105 - Facultad de Veterinaria
Degree	451 - Degree in Veterinary Science
ECTS	8.0
Year	5
Semester	First semester
Subject Type	Compulsory
Module	---

1.General information**1.1.Introduction****1.2.Recommendations to take this course****1.3.Context and importance of this course in the degree****1.4.Activities and key dates****2.Learning goals****2.1.Learning goals****2.2.Importance of learning goals****3.Aims of the course and competences****3.1.Aims of the course****3.2.Competences****4.Assessment (1st and 2nd call)****4.1.Assessment tasks (description of tasks, marking system and assessment criteria)****5.Methodology, learning tasks, syllabus and resources****5.1.Methodological overview**

The fact that it is an applicative subject (it uses the concepts and knowledge of other subjects), makes that the whole part of the time we are working with case studies. This tool also allows the development of transversal skills such as leadership, decision making, ability to take decisions or the development of critical thinking.

5.2.Learning tasks

The proposed learning activities are presented in the program part of this guide

Subject:				
ZONOSSES, PREVENTIVE MEDICINE AND HEALTH POLITICS				
Activity		Groups	Hours/student	Description
1	ZOONOSES THEORY	2	21	General concepts and zoonose types
2	PREVENTIVE M. THEORY	2	35	Preventive medicine and health politics concepts and tools
3	ZOONOSES 1 PRACTICES	6	3	Risk analysis and prevention strategies in public gardens: TÉCNICAL REPORT
4	ZOONOSES 2 PRACTICES	12	3	Vector borne diseases transmission models
5	ZOONOSES 3 PRACTICES	6	3	Emerging diseases and surveillance. WestNile case. DEBATE
6	PREVENTIVE M. PRACTICES 1	12	3	Diseases outbreak investigation in the farm. Veterinary tools
7	PREVENTIVE M. PRACTICES	12	3	Vaccines and their selection

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	12			criteria
8	PREVENTIVE M. PRACTICES 3	6	3	Control programs at regional level (IBR / BVD)
9	PREVENTIVE M. PRACTICES 4	6	3	Erradication programs at national and international level (FMD, PPC)
10	PREVENTIVE M. PRACTICES 5	12	3	Biosecurity in the farm POSTER DESIGN

5.3.Syllabus

All contents presented and developed activities are supported on material provided through the ADD of the University of Zaragoza. The materials included theoretical documents, multimedia presentations or documents provided by external partners (pharmaceutical laboratories, field specialists ...) and various examples of different case studies. These case studies present real situations that have been adapted to the training process developed specifically for this subject.

The subject is divided in two thematic parts:

Part 1 ZOONOSIS , divided into 3 clusters:

- A-Zoonose; general considerations
- B- The main zoonose models -
- C- Zoonose response and Veterinary Public Health.

Part 2 PREVENTIVE MEDICINE AND HEALTH POLITICS , divided into four thematic clusters:

- A- Concepts to understand the disease from a Preventive Medicine point of view
- B- Main tools for decision making in Preventive Medicine
- C- Response strategies in Preventive Medicine

D- Health Politics and health regulations

5.4.Course planning and calendar

The distribution of the program and de timetable of every lesson and practices are described in detail in the web site of the Faculty of Veterinary Medicine (link <http://veterinaria.unizar.es/gradoveterinaria/>) and in the calendar of the ADD. This links will be updated at the beginning of each academic year.

5.5. Bibliography and recommended resources

[BB: Bibliografía básica / BC: Bibliografía complementaria]

- [BB] Acha, Pedro N.. Zoonosis y enfermedades transmisibles comunes al hombre y a los animales. Volumen I, Bacteriosis y micosis / Pedro N. Acha, Boris Szyfres . 3a ed., 1ª reimp. Washington, D.C. : Organización Panamericana de la Salud, 2003
- [BB] Acha, Pedro N.. Zoonosis y enfermedades transmisibles comunes al hombre y a los animales. Volumen II, Clamidiosis, rickettsiosis y virosis / Pedro N. Acha, Boris Szyfres . 3a ed. Washington, D.C. : Organización Panamericana de la Salud, 2003
- [BB] Acha, Pedro N.. Zoonosis y enfermedades transmisibles comunes al hombre y a los animales. Volumen III, Parasitosis / Pedro N. Acha, Boris Szyfres . 3a ed. Washington, D.C. : Organización Panamericana de la Salud, 2003
- [BB] Viral infections and global change / edited by Sunit K. Singh . Hoboken, New Jersey : Wiley Blackwell, [2014]
- [BB] Zoonoses : infectious diseases transmissible from animals to humans / Rolf Bauerfeind ... [et al.] . 4th. ed. Washington D.C. : ASM Press, cop. 2016
- [BC] Schnurrenberger, Paul R.. Attacking animal diseases : concepts and strategies for control and eradication / Paul R. Schnurrenberger, Robert S. Sharman, Gilbert H. Wise Ames : Iowa State University Press, 1987

Listado de URL

- Animal Health Australia. Disease Surveillance [<http://www.animalhealthaustralia.com.au/programs/disease-surveillance/>]
- Centers for diseases control and prevention [<http://www.cdc.gov/>]
- European centre for diseases control and prevention [<http://ecdc.europa.eu/en/Pages/home.aspx>]
- European Food Safety Authority [<http://www.efsa.europa.eu/>]
- One Health initiative [<http://www.onehealthinitiative.com/>]
- Organización de las Naciones Unidas para la Alimentación y la Agricultura. Emergencias. Enfermedades transfronterizas de los animales [<http://www.fao.org/emergencias/emergencias/enfermedades-transfronterizas-de-los-animales/es/>]
- Organización de las Naciones Unidas para la Alimentación y la Agricultura. Sanidad animal [<http://www.fao.org/animal-health/es/>]
- Organización Mundial de Sanidad Animal (OIE) [<http://www.oie.int/es/>]