



Universitat de Lleida

DEGREE CURRICULUM **INTERNSHIP**

Coordination: ARMENGOL GELONCH, RAMON

Academic year 2022-23

Subject's general information

Subject name	INTERNSHIP			
Code	100344			
Semester	2nd Q(SEMESTER) CONTINUED EVALUATION / 1st Q(SEMESTER) CONTINUED EVALUATION			
Typology	Degree	Course	Character	Modality
	Double bachelor's degree: Bachelor's Degree in Veterinary Medicine and Bachelor's Degree in Science and Production	6	COMPULSORY	Attendance- based
Course number of credits (ECTS)	12			
Type of activity, credits, and groups	Activity type	PAES		
	Number of credits	12		
	Number of groups	1		
Coordination	ARMENGOL GELONCH, RAMON			
Department	ANIMAL SCIENCE			
Important information on data processing	Consult this link for more information.			

Teaching staff	E-mail addresses	Credits taught by teacher	Office and hour of attention
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Subject's extra information

<http://www.doblegrauvetcpa.udl.cat/ca/practiques-academiques/normativa-titulacio/>

<http://www.udl.cat/ca/organs/vicerectors/voa/practiquesacademiques/>

Learning objectives

<http://www.doblegrauvetcpa.udl.cat/en/practiques-academiques/normativa-titulacio/>

Competences

Basic Competences:

Possess and understand knowledge in an area of study that starts from the basis of general secondary education, and is usually found at a level that, while supported by advanced textbooks, also includes some aspects that involve knowledge from the vanguard of his field of study.

Apply their knowledge to their job or vocation in a professional way and possess the skills that are usually demonstrated through the elaboration and defense of arguments and problem solving within their area of study.

Ability to gather and interpret relevant data (usually within their area of study) to make judgments that include a reflection on relevant issues of a social, scientific or ethical nature.

To be able to transmit information, ideas, problems and solutions to both specialized and non-specialized audiences).

Know how to develop the learning skills necessary to undertake further studies with a high degree of autonomy.

Recognize the biological, chemical, physical, mathematical and economic foundations necessary for the development of professional activity.

Recognize the structure and function of healthy animals.

Recognize the fundamentals of the main physiological processes and understand their role in the production process, as well as anticipate and evaluate their effects on the final product.

Use the basic work methodologies referring to the indicated disciplines.

Recognize and be able to apply the basic techniques of livestock experimentation and know how to interpret their results.

General Competences:

Identify animals and animal products, as well as their importance in society and in the food chain.

Use the knowledge of basic sciences (biology, physics, biochemistry, physiology, mathematics, statistics, economics,) to understand animal processes and their involvement in the agro-livestock system.

Analyze the strategies of animal production as a whole (facilities, behavior, welfare, nutrition, improvement, production, reproduction, environment, economy, marketing and product quality) with the aim of optimizing production.

Manage animal production systems with the aim of increasing the efficiency (technical, economic, environmental,) and the sustainability of the food chain over time.

Transversal Competences:

Acquire a perfect use of both catalan and spanish languages..

Acquire a significant command of a foreign language, especially English.

Acquire training in the use of new technologies and information and communication technologies.

Acquire basic knowledge of entrepreneurship and professional environments.

Acquire essential notions of scientific thought.

Analyze specific situations, define problems, make decisions and implement action plans in search of solutions.

Apply knowledge acquired to real situations, properly managing available resources.

Interpret studies, reports, data and analyze numerically.

Select and manage the available written and computerized sources of information related to the professional activity.

Manage individual and team work.

Acquire comprehensive training.

Maintain ethical behavior in the exercise of their responsibilities to the profession and society.

Know and apply the scientific method to professional practice.

Specific Competences:

Identify the biological, chemical, physical, mathematical and economic foundations necessary for the development of professional activity. Identify the characteristics and processes of biomolecules essential for life. Be able to use basic laboratory analytical techniques to determine chemical and biochemical parameters.

Describe the structure and function of healthy animals and be able to recognize the different tissues, organs, apparatus and systems of animals. Describe the fundamentals of the main physiological processes and understand their role in the production process, as well as anticipate and evaluate their effects on the final product.

Apply the basic techniques of livestock experimentation and know how to interpret their results and know how to interpret and express the results derived from statistical analysis.

Acquire an integrated view of cellular structures, relating them to their specific functions and the biochemical processes involved. Identify the characteristics of the main taxonomic groups of animals and plants. Argue the basics of inheritance that explain the characteristics and behavior of animals.

Use the tools that facilitate business management and interpret the structure of the productive and market sector.

Evaluate economically and financially the operation of livestock companies.

Identify the different elements and particularities of the agro-livestock ecosystem. Evaluate the importance and characteristics of the different animal species, racial groupings and their productive aptitudes in order to be able to choose the most appropriate genetic material according to the different possible productive objectives. Describe the different livestock production systems (extensive, intensive, etc.) and be able to understand the role of animals in the food chain.

Identify the different factors of production and raw materials for animal feed and their involvement in intensive and extensive animal production. Interpret the physio-biological processes associated with animal nutrition. Calculate the needs of the animals based on the feeding systems and formulate rations according to the needs.

Plan the process of animal reproduction, as well as identify and evaluate technologies for their handling and control.

Have the ability to apply reproductive technologies in the handling of animals.

Identify the bases of animal improvement and the possibility of their practical application in reproductive management. Evaluate the genetic improvement programs applied to the different animal species and interpret the animal genetic evaluation catalogs to decide the most favorable matings.

Identify the basic principles of animal health and welfare. Assess the behavior of the different species and their control in conditions of freedom, confinement and production.

Recognize the importance and characteristics of the different animal species, racial groups and their productive aptitudes in order to be able to choose the most appropriate genetic material according to the different possible productive objectives. Design the animal management plan for a livestock farm and the utilization plan for the different production factors. Determine the food needs of animals, interpret ration formulas, and properly develop and manage a livestock feeding program.

Design the production plan for a livestock farm. Assess the operation and optimization of animal production systems and their repercussions on the environment.

Assess the environmental needs of the animals and plan their implementation. Determine the needs in accommodation and livestock facilities.

Subject contents

<http://www.doblegrauvetcpa.udl.cat/en/practiques-academiques/normativa-titulacio/>

Methodology

<http://www.doblegrauvetcpa.udl.cat/en/practiques-academiques/normativa-titulacio/>

Development plan

<http://www.doblegrauvetcpa.udl.cat/en/practiques-academiques/normativa-titulacio/>

You will find more information on the virtual campus of the subject, In the resources folder.

There will be two information meetings (June and February) for all those students enrolled and interested in taking the course in the immediate future.

Evaluation

The evaluation of this subject is based on three points (average out of 10):

- Evaluation of the Business Tutor through an online questionnaire.
- Evaluation of the Technical Report by the Academic Tutor and the Coordinator (detailed information in Methodology of the teaching guide and in Resources of the subject).
- Evaluation of the meeting held between the Academic Tutor, Coordinator and Student.

To pass the subject, the student must obtain an average grade equal to or higher than 5.0