

Postgraduate Certificate

General Aspects of the Swine Sector





Postgraduate Certificate General Aspects of the Swine Sector

- » Modality: online
- » Duration: 6 weeks
- » Certificate: TECH Global University
- » Credits: 6 ECTS
- » Schedule: at your own pace
- » Exams: online

Website: www.techtute.com/us/veterinary-medicine/postgraduate-certificate/general-aspects-swine-sector

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01

Introduction

World pork production is characterized by different production systems: on the one hand, extensive or mixed small and medium-scale systems and, on the other, intensive or specialized industrial systems. The latter have allowed for an increase in areas of production, industrialization and marketing of pork and pork products.

The objective of this intensive program is to offer a complete approach to swine production and its importance, and to enable students to solve problems at the environmental, management, human resources and production cost levels within the swine industry.





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A complete and total update in General Aspects of the Swine Sector with the most comprehensive and effective training program on the online educational market”

During the last few years, the pork sector has grown notably, both in production, animal census and number of specialized farms, thanks to the boost of foreign markets supported, in turn, by the competitiveness in the industry in the global market.

The pig sector is of key importance to the Spanish economy, since it accounts for around 14% of the Final Agricultural Production. Within livestock production, the pig sector occupies the first place in terms of its economic importance, reaching around 39% of the Final Livestock Production. At the global level, the EU-28 is the second largest producer of pork, after China, and Spain is the third largest pig producer in the world.

This rise in production has increased the export market for pork and pork products, which makes exports an essential element for market balance. With a very positive trade balance, Spain has consolidated its position as the second largest pork exporter in the EU, only behind Germany, with a spectacular increase in exports to third countries, especially China and other Southeast Asian countries.

This program deals with pig production both worldwide and in Spain. It analyzes the different swine production models and their characteristics with a focus on production, health and animal welfare.

In order to understand swine production processes, it is essential for students to have in-depth knowledge of the production models involved and current regulations, all of which is explained in the subjects.

The Postgraduate Certificate in General Aspects of the Swine Sector contains the most complete and updated online academic program on the market. The contents will be available to access from any fixed or portable device with an Internet connection guarantees students will be able to use their available time to achieve his double objective: training and qualification. Furthermore, the program's methodological design integrates the latest advances in educational technology that will facilitate learning.

This **Postgraduate Certificate in General Aspects of the Swine Sector** contains the most complete and up-to-date educational program on the market. The most important features of the program include:

- ♦ The latest technology in online teaching software
- ♦ Intensely visual teaching system, supported by graphic and schematic contents, easy to assimilate and understand
- ♦ Practical cases presented by practicing experts
- ♦ State-of-the-art interactive video systems
- ♦ Teaching supported by telepractice
- ♦ Continuous updating and recycling systems
- ♦ Autonomous learning: full compatibility with other occupations
- ♦ Practical exercises for self-evaluation and learning verification
- ♦ Support groups and educational synergies: questions to the expert, debate and knowledge forums
- ♦ Communication with the teacher and individual reflection work
- ♦ Availability of content from any fixed or portable device with internet connection
- ♦ Supplementary documentation databases are permanently available, even after the course



Join the elite with this highly effective training and pave new ways toward professional advancement"

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A comprehensive training program that will allow you to acquire the most advanced knowledge in all specialized veterinarian areas of intervention”

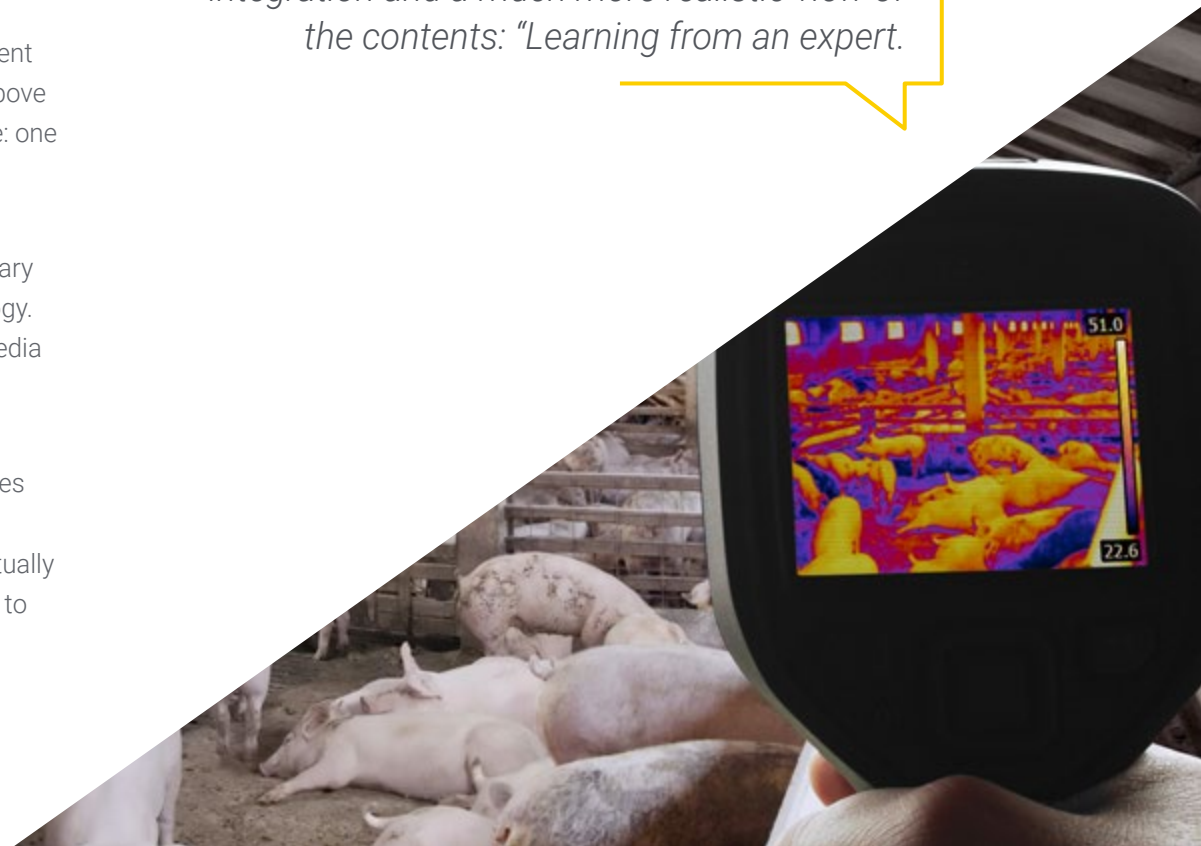
Our teaching staff is made up of professionals in different fields related to this specialty. That way, TECH ensures to you with students the updating objective it intends. A multidisciplinary team of professionals, trained and experienced in different environments, who will develop the theoretical knowledge in an efficient way, but above all, they will bring their practical knowledge from their own experience to the course: one of the differential qualities of this training.

The efficiency of the methodological design of this Professional Master's Degree, enhances the student's understanding of the subject. Developed by a multidisciplinary team of *e-learning* experts, it integrates the latest advances in educational technology. This way, you will be able to study with a range of easy-to-use and versatile multimedia tools that will give you the necessary skills you need for your training.

The design of this program is based on Problem-Based Learning: an approach that conceives learning as a highly practical process. To achieve this remotely, TECH uses telepractice learning: with the help of an innovative, interactive video system, and *learning from an expert*, you will be able to acquire the knowledge as if you were actually dealing with the scenario you are learning about. A concept that will allow students to integrate and focus their learning in a more realistic and permanent way.

With a methodological design based on proven teaching techniques, this innovative program will take you through different teaching approaches to allow you to learn in a dynamic and effective way.

Our innovative telepractice concept will give you the opportunity to learn through an immersive experience, which will provide you with a faster integration and a much more realistic view of the contents: “Learning from an expert.”



02 Objectives

Our objective is to train highly qualified professionals for the work environment. An objective that is complemented in a global manner, by promoting human development that lays the foundations for a better society. This objective is materialized in helping professionals to reach a much higher level of competence and control. A goal that you will be able to achieve in just a few months, with a high intensity and effective training.





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If your objective is to broaden your skill set to pave new ways toward success and development, this is the course for you: A training that aspires to excellence”



General Objectives

- ◆ Develop advanced expertise in the field of swine production
- ◆ Generate specialized knowledge to efficiently and effectively address real problems, models and solutions that exist in swine production
- ◆ Gain specialized, technical knowledge to add value to future farms who seek advice on matters of production, facilities, animal welfare, waste, etc



A path to achieve training and professional growth that will propel you toward a greater level of competitiveness in the job market"





Specific Objectives

- ◆ Develop a specialized vision of the swine sector
- ◆ Know the morphological and physiological characteristics of pigs
- ◆ Autonomously analyze and apply concepts, tools and management related to current production, health, animal welfare and environment regulations for swine
- ◆ Confidently diagnose and define the elaboration processes for farm reports, certifications and audits
- ◆ Propose methods of control and treatment and prevention of occupational hazards in the swine industry
- ◆ Improve facilities to obtain the maximum productive performance
- ◆ Demonstrate that animal welfare conditions allow for higher production yields
- ◆ Plan projects to reduce farms' negative impact on the environment
- ◆ Identify opportunities for farm improvement and transmit knowledge to personnel working in the swine industry

04

Course Management

Within the concept of total quality of our program, we are proud to put at your disposal a Teaching Staff of the highest level, chosen for their proven experience. Professionals from different areas and fields of expertise that make up a complete, multidisciplinary team. A unique opportunity to learn from the best.





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Our teaching team, experts in Swine Production and Clinical Practice, will help you achieve success in your profession”

Management



Dr Falceto Recio, Victoria

- Degree in Veterinary Medicine from the University of Zaragoza
- President of the board of directors AVPA at Pig Veterinary Association of Aragon
- Secretary of the board of directors ANAVEPOR National Association of Pig Veterinarians
- Spokesperson for the Board of Directors of ANAPORC Association of Scientific Pork Producers
- Member of AERA Spanish Association of Animal Reproduction
- Diploma in Pedagogical Training for university professors at the Institute of Education Sciences, University of Zaragoza
- Advanced Course in Animal Production (Animal Reproduction Cycle from the Mediterranean Agronomic Institute of Zaragoza)
- Substitutions as a rural veterinarian
- Specialization stays at several universities and institutions
- Responsible for the Reproduction and Obstetrics Service at the Veterinary Hospital University of Zaragoza
- Member of the Instituto Universitario de Investigación Mixto Agroalimentario de Aragón IA2 (University Institute of Mixed Agrifood Research of Aragón)



04

Structure and Content

The contents of this program have been developed by the different experts on this course, with a clear purpose: to ensure that our students acquire each and every one of the necessary skills to become true experts in this field.

A complete and well-structured program that will take you to the highest standards of quality and success.





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A comprehensive teaching program, structured in well-developed teaching units, oriented toward learning that is compatible with your personal and professional life"

Module 1. The Swine Sector

- 1.1. The Importance of the Swine Sector
 - 1.1.1. The Swine Sector at a Global Level
 - 1.1.2. The Swine Sector in Spain
 - 1.1.3. The Importance of the Swine Industry for the Rural World
- 1.2. Morphological and Physiological Characteristics in Pigs
 - 1.2.1. External Morphology
 - 1.2.2. Anatomy and Digestive and Respiratory Physiology
 - 1.2.3. Anatomy and characteristics of the Locomotor System
- 1.3. Breeds, Crosses and Genetic Lines in Swine Production
 - 1.3.1. The Main Swine Breeds
 - 1.3.2. Crossbreeding and Genetic Lines in White Pigs
 - 1.3.3. Selection and Genetic Improvement
- 1.4. Management Systems in Swine Production
 - 1.4.1. Swine Production Features
 - 1.4.2. Intensive White Pig System
 - 1.4.3. Alternative Production Systems
- 1.5. Swine Facilities and Housing: Environmental Control
 - 1.5.1. Reproductive Farm Facilities and Housing
 - 1.5.2. Transition Farm Facilities and Housing
 - 1.5.3. Fattening Farm Facilities and Housing
- 1.6. Legislation: Farm Management, Animal Welfare and Occupational Risk Prevention Audits and Certifications
 - 1.6.1. Farm Management and Biosafety Regulations
 - 1.6.2. Animal Welfare Regulations
 - 1.6.3. Occupational Hazards





- 1.7. Farm By-Products and Waste Management
 - 1.7.1. Carcass Management
 - 1.7.2. Slurry Management
 - 1.7.3. Other By-Product Management
- 1.8. Work Organization, Technical Management and Production Costs
 - 1.8.1. Production and Optimization Management
 - 1.8.2. Staff Management
 - 1.8.3. IT Management and Production Costs
- 1.9. Iberian Pig Production
 - 1.9.1. Genetic Lines in Iberian Pigs
 - 1.9.2. Iberian Pig Production System
 - 1.9.3. The Iberian Pig Industry
- 1.10. Pork and Pork Product Food Safety, Hygiene and Quality
 - 1.10.1. Food Safety
 - 1.10.2. Pork Quality
 - 1.10.3. The Problem of Sexual Odor in Pork



A unique, key, and decisive training experience to boost your professional development”

05 Methodology

This academic program offers students a different way of learning. Our methodology uses a cyclical learning approach: **Relearning**.

This teaching system is used, for example, in the most prestigious medical schools in the world, and major publications such as the **New England Journal of Medicine** have considered it to be one of the most effective.





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Discover Relearning, a system that abandons conventional linear learning, to take you through cyclical teaching systems: a way of learning that has proven to be extremely effective, especially in subjects that require memorization"

At TECH we use the Case Method

What should a professional do in a given situation? Throughout the program you will be presented with multiple simulated clinical cases based on real patients, where you will have to investigate, establish hypotheses and, finally, resolve the situation. There is an abundance of scientific evidence on the effectiveness of the method. Specialists learn better, faster, and more sustainably over time.

With TECH you will experience a way of learning that is shaking the foundations of traditional universities around the world.



According to Dr. Gérvas, the clinical case is the annotated presentation of a patient, or group of patients, which becomes a "case", an example or model that illustrates some peculiar clinical component, either because of its teaching power or because of its uniqueness or rarity. It is essential that the case is based on current professional life, in an attempt to recreate the actual conditions in a veterinarian's professional practice.

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Did you know that this method was developed in 1912, at Harvard, for law students? The case method consisted of presenting students with real-life, complex situations for them to make decisions and justify their decisions on how to solve them. In 1924, Harvard adopted it as a standard teaching method”

The effectiveness of the method is justified by four fundamental achievements:

1. Veterinarians who follow this method not only manage to assimilate concepts, but also develop their mental capacity through exercises to evaluate real situations and knowledge application
2. Learning is solidly translated into practical skills that allow the student to better integrate into the real world.
3. Ideas and concepts are understood more efficiently, given that the example situations are based on real-life.
4. The feeling that the effort invested is effective becomes a very important motivation for veterinarians, which translates into a greater interest in learning and an increase in the time dedicated to working on the course.



Relearning Methodology

At TECH we enhance the case method with the best 100% online teaching methodology available: Relearning.

This university is the first in the world to combine the study of clinical cases with a 100% online learning system based on repetition, combining a minimum of 8 different elements in each lesson, a real revolution with respect to the mere study and analysis of cases.



Veterinarians will learn through real cases and by resolving complex situations in simulated learning environments. These simulations are developed using state-of-the-art software to facilitate immersive learning.

At the forefront of world teaching, the Relearning method has managed to improve the overall satisfaction levels of professionals who complete their studies, with respect to the quality indicators of the best online university (Columbia University).

With this methodology more than 65,000 veterinarians have been trained with unprecedented success in all clinical specialties, regardless of the surgical load. Our teaching method is developed in a highly demanding environment, where the students have a high socio-economic profile and an average age of 43.5 years.

Relearning will allow you to learn with less effort and better performance, involving you more in your training, developing a critical mindset, defending arguments, and contrasting opinions: a direct equation for success.

In our program, learning is not a linear process, but rather a spiral (learn, unlearn, forget, and re-learn). Therefore, we combine each of these elements concentrically.

The overall score obtained by TECH's learning system is 8.01, according to the highest international standards.



This program offers the best educational material, prepared with professionals in mind:



Study Material

All teaching material is produced by the specialists who teach the course, specifically for the course, so that the teaching content is highly specific and precise.

These contents are then applied to the audiovisual format, to create the TECH online working method. All this, with the latest techniques that offer high quality pieces in each and every one of the materials that are made available to the student.



Latest Techniques and Procedures on Video

TECH introduces students to the latest techniques, the latest educational advances and to the forefront of current and procedures of veterinary techniques. All of this in direct contact with students and explained in detail so as to aid their assimilation and understanding. And best of all, you can watch the videos as many times as you like.



Interactive Summaries

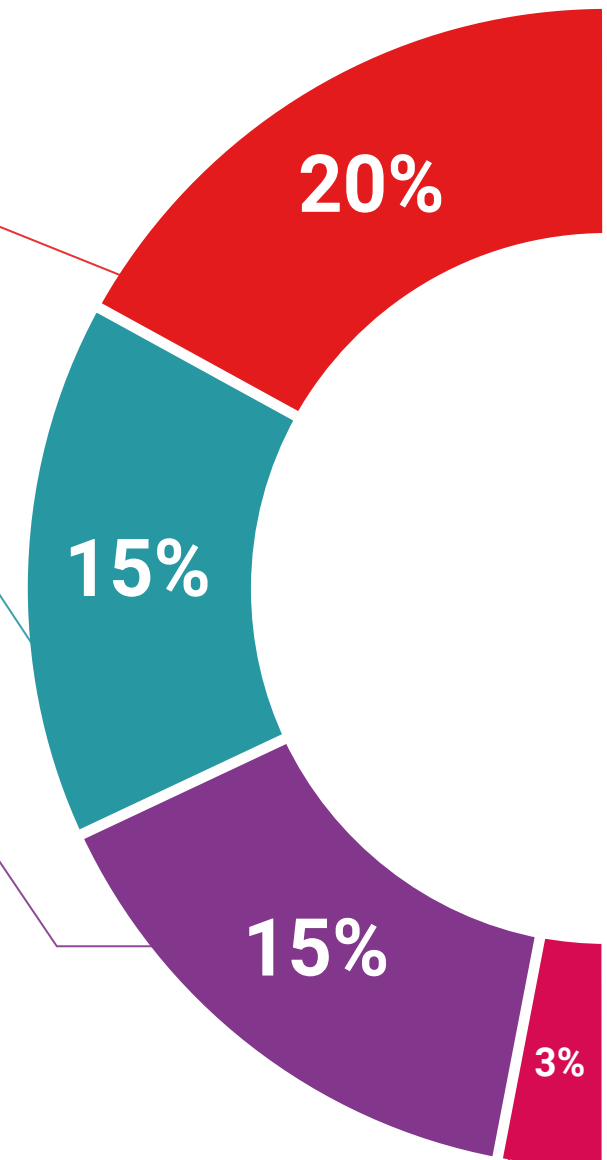
The TECH team presents the contents attractively and dynamically in multimedia lessons that include audio, videos, images, diagrams, and concept maps in order to reinforce knowledge.

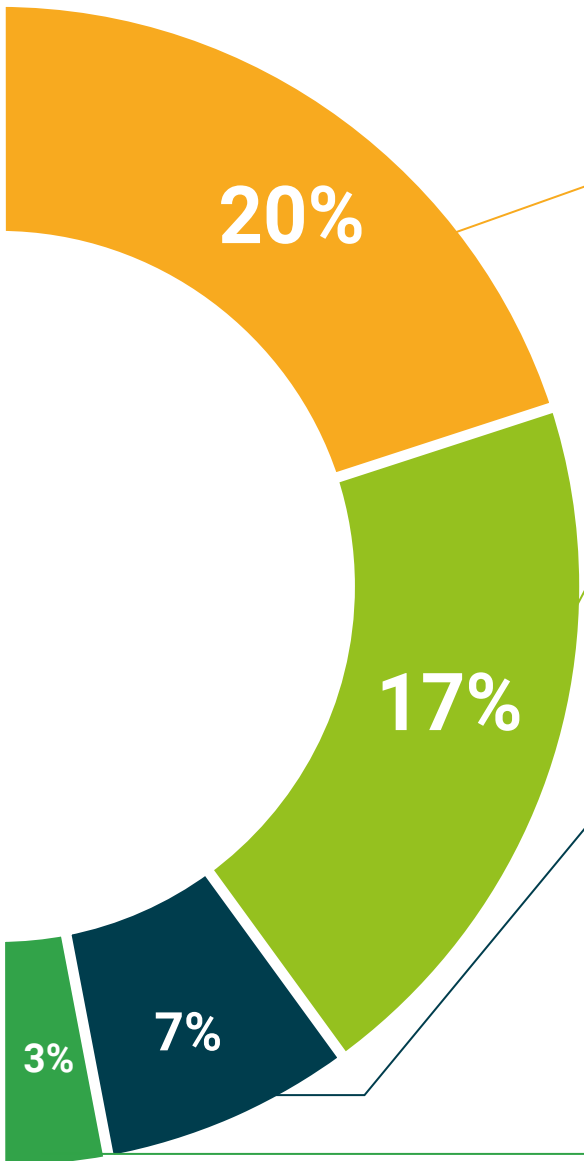
This exclusive educational system for presenting multimedia content was awarded by Microsoft as a "European Success Story".



Additional Reading

Recent articles, consensus documents and international guidelines, among others. In TECH's virtual library, students will have access to everything they need to complete their course.





Expert-Led Case Studies and Case Analysis

Effective learning ought to be contextual. Therefore, TECH presents real cases in which the expert will guide students, focusing on and solving the different situations: a clear and direct way to achieve the highest degree of understanding.



Testing & Retesting

We periodically evaluate and re-evaluate students' knowledge throughout the program, through assessment and self-assessment activities and exercises, so that they can see how they are achieving their goals.



Classes

There is scientific evidence suggesting that observing third-party experts can be useful.

Learning from an Expert strengthens knowledge and memory, and generates confidence in future difficult decisions.



Quick Action Guides

TECH offers the most relevant contents of the course in the form of worksheets or quick action guides. A synthetic, practical, and effective way to help students progress in their learning.



06

Certificate

The Postgraduate Certificate in General Aspects of the Swine Sector guarantees students, in addition to the most rigorous and up-to-date education, access to a Postgraduate Certificate issued by TECH Global University.



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*Successfully complete this program
and receive your diploma without
the hassle of travel or paperwork”*

This program will allow you to obtain your **Postgraduate Certificate in General Aspects of the Swine Sector** endorsed by **TECH Global University**, the world's largest online university.

TECH Global University is an official European University publicly recognized by the Government of Andorra ([official bulletin](#)). Andorra is part of the European Higher Education Area (EHEA) since 2003. The EHEA is an initiative promoted by the European Union that aims to organize the international training framework and harmonize the higher education systems of the member countries of this space. The project promotes common values, the implementation of collaborative tools and strengthening its quality assurance mechanisms to enhance collaboration and mobility among students, researchers and academics.

This **TECH Global University** title is a European program of continuing education and professional updating that guarantees the acquisition of competencies in its area of knowledge, providing a high curricular value to the student who completes the program.

Title: **Postgraduate Certificate in General Aspects of the Swine Sector**

Modality: **online**

Duration: **6 weeks**

Accreditation: **6 ECTS**



*Apostille Convention. In the event that the student wishes to have their paper diploma issued with an apostille, TECH Global University will make the necessary arrangements to obtain it, at an additional cost.

future
health confidence people
education information tutors
guarantee accreditation teaching
institutions technology learning
community commitment
personalized service innovation
knowledge present
development language
virtual classroom



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