Postgraduate Certificate
Sow Management, Farrowing and Lactation

tech technological university

tech technological university

Postgraduate Certificate

Sow Management, Farrowing and Lactation

- Modality: **online**
- Duration: **6 weeks**
- Certificate: **TECH Technological University**
- Dedication: **16h/week**
- Schedule: **at your own pace**
- Exams: **online**

Website: **www.techtitute.com/in/veterinary-medicine/postgraduate-certificate/sow-management-farrowing-lactation**

Index

01 Introduction p. 4

02 Objectives p. 8

03 Course Management p. 12

04 Structure and Content p. 16

05 Methodology p. 20

06 Certificate p. 28

01

Introduction

This high-level program provides students with the information and tools necessary to optimize and improve management at three critical points in swine production: sow gestation, farrowing and lactation.

A unique training provided by experienced professionals in the field.

A complete and total update on Sow Management, Farrowing and Lactation with the most comprehensive and effective program on the online educational market"

The progressive increase in world demand for meat in recent decades has led to a response from the swine industry, a species that already presents rapid growth and low conversion rate, progressively increasing its production, not just through growth but, more importantly, through optimization, technification and adaptation to use the resources available at any given time and place.

The current trend is a decrease in the number of farms, but an increase in size and in technology and facilities improvement help raise performance and thus competitiveness.

A great genetic advance is taking place that boosts their performance, standardizes the final product that reaches consumers and offers a great specialization in the manufacture of feed, resulting in productive growth capable of responding to the current rise in demand.

If the swine production system is divided into three phases, this is the first one: "Piglet production" has a great impact especially with the above, since it is undoubtedly the aspect that requires the greatest investment effort in infrastructure and the one that demands the most specialized labor.

The Postgraduate Certificate in Sow Management, Farrowing and Lactation contains the most complete and up to date educational 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 Sow Management, Farrowing and Lactation** contains the most complete and up to date scientific program on the market. The most important features include:

- The latest technology in online teaching software
- A highly virtual teaching system, supported by graphic and schematic contents that are 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
- Content that is accessible from any fixed or portable device with an Internet connection
- Supplementary documentation databases are permanently available, even after finishing the course

Join the elite, with this highly effective program and open new paths to help you advance in your professional progress"

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

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

Our teaching staff is made up of professionals from different fields related to this specialty. In this way, we ensure that we provide you with the training update we are aiming for. 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 comfortable and versatile multimedia tools that will give you the operability you need in 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, we will use telepractice: 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 you to integrate and fix learning in a more realistic and permanent way.

This training will provide you with a sense of confidence in medical practice, which will help you grow personally and professionally.

02

Objectives

Our objective is to train highly qualified professionals for work experience. 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.

If your objective is to broaden your skills set to include new paths of success and development, this is your Professional Master's Degree: a training that aspires to excellence"

General Objectives

- Establish an appropriate methodology to manage sows during gestation, farrowing and lactation
- Identify and analyze the critical points in sow gestation, farrowing and lactation phases
- Gain specialized knowledge sow diets throughout the productive cycle and incorporate the requirements of the new hyperprolific genetic lines
- Specify the work in swine farming from insemination to the end stage of lactation, and manage resources, analysis and methods to achieve objectives

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

Specific Objectives

- Manage facilities during gestation, farrowing and lactation
- Present sow gestation, farrowing and lactation physiology
- Diagnose the most frequent physiological problems in gestation and how to deal with them
- Learn the fundamentals of gestation diagnosis in sows
- Identify the problems in gestation and differentiate the management guidelines to be taken in each situation
- Define the fundamentals of sow nutrition and requirements during gestation, farrowing and lactation
- Establish the key points associated with hyperprolific lines and study how to address them
- Analyze the organization and management of the sow cycle and the available resources

03

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.

Leading professionals in the field have come together to teach you the latest advances in Artificial Insemination in Swine"

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 profressors at the Institute of Education Sciences, University of Zaragoza

Professors

Ms. Cantin Labarta, Julia

- Degree in Veterinary Medicine, CEU Cardenal Herrera University
- Master's Degree in Swine Health and Production (University of Lleida, Zaragoza and Madrid)
- Doctoral student in Animal Medicine and Health Study of the Metabolic Alterations Produced by Nutritional Deficiencies in Relation to Hyperprolific Sow Productivity (University of Zaragoza)
- Member of the Association of Swine Veterinarians of Aragón, Aula Porcina (University of Zaragoza) and Club de Ganadería Porcina (CEU Cardenal Herrera University)
- Boehringer Ingelheim Animal Health, Spain. Swine Veterinary Technical Support 06/2020-present
- Co-owner of Farming Labarta S.L. 06/2019-present
- Nutega CCPA Group Research Work (R&D&I) On farm management and collaboration in a research, development and innovation project on the metabolic problems associated with hyperprolific sow nutrition 12/2018-03/2020

04

Structure and Content

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

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

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

Module 1. Sows: Gestation, Farrowing and Lactation

1.1 Pregnancy Diagnosis: Work Organization in Pregnant Sows
- 1.1.1. Pregnancy Diagnosis
- 1.1.2. Work Organization in Pregnant Sows
- 1.1.3. Planning Mating and Gestational Objectives

1.2. Gestation Physiology
- 1.2.1. First-Third Gestation: Implantation
- 1.2.2. Second-Third Gestation: Embryogenesis
- 1.2.3. Third-Third Gestation: Fetal Growth and Appendages

1.3. Pregnant Sow Management
- 1.3.1. First-Third Gestation
  - 1.3.1.1. Detecting the Most Frequent Management Errors
  - 1.3.1.2. Proper Management
- 1.3.2. Second-Third Gestation
  - 1.3.2.1. Detecting the Most Frequent Management Errors
  - 1.3.2.2. Proper Management
- 1.3.3. Third-Third Gestation
  - 1.3.3.1. Detecting the Most Frequent Management Errors
  - 1.3.3.2. Proper Management

1.4. Pregnant Sow Diet
- 1.4.1. Diet Curve in Pregnant Sows
- 1.4.2. Pregnant Sow Needs
- 1.4.3. Pathology associated with Dietary Failure during Gestation

1.5. Peripartum Physiology
- 1.5.1. Three Day Prepartum
- 1.5.2. Birth
- 1.5.3. First Four Day Postpartum

1.6. Sow Management during Peripartum
- 1.6.1. Delivery Preparation
  - 1.6.1.1. Detecting the Most Frequent Management Errors
  - 1.6.1.2. Proper Management
- 1.6.2. Delivery Management
  - 1.6.2.1. Detecting the Most Frequent Management Errors
  - 1.6.2.2. Proper Management
- 1.6.3. First Four Day Postpartum Management
  - 1.6.3.1. Detecting the Most Frequent Management Errors
  - 1.6.3.2. Proper Management

1.7. Sow Diet during Peripartum
- 1.7.1. Sow Diet Curve during Peripartum
- 1.7.2. Sow Needs during Peripartum
- 1.7.3. Pathology associated with Dietary Failure during Peripartum

1.8. Reproductive Physiology during Lactation
- 1.8.1. Lactation Physiology
- 1.8.2. Uterine Involution and Ovarian Activity Onset

1.9. Sow Management during Lactation
- 1.9.1. Common Errors in Sow Management during Lactation
- 1.9.2. Environment Management
- 1.9.3. Proper Sow Management during Lactation
- 1.9.4. Wet Nurse Preparation

1.10. Sow Diet during Lactation
- 1.10.1. Sow Diet Curve during Lactation
- 1.10.2. Sow Needs during Lactation
- 1.10.3. Pathology associated with Dietary Failure during Lactation

You will learn to define the different biological indicators associated with animal population studies"

05

Methodology

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

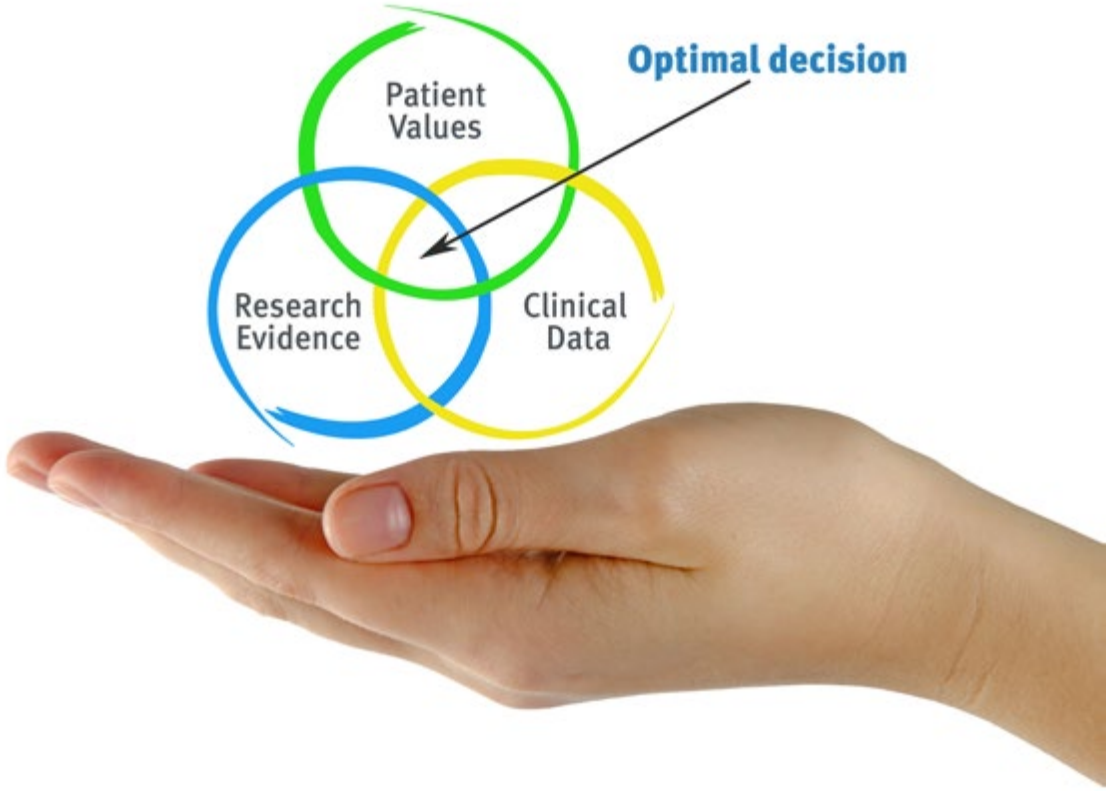
This teaching system is used, for example, in the most prestigious medical schools in the world, and major publications such as the **New England Journal of Medicine** have considered it to be one of the most effective.

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.

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:

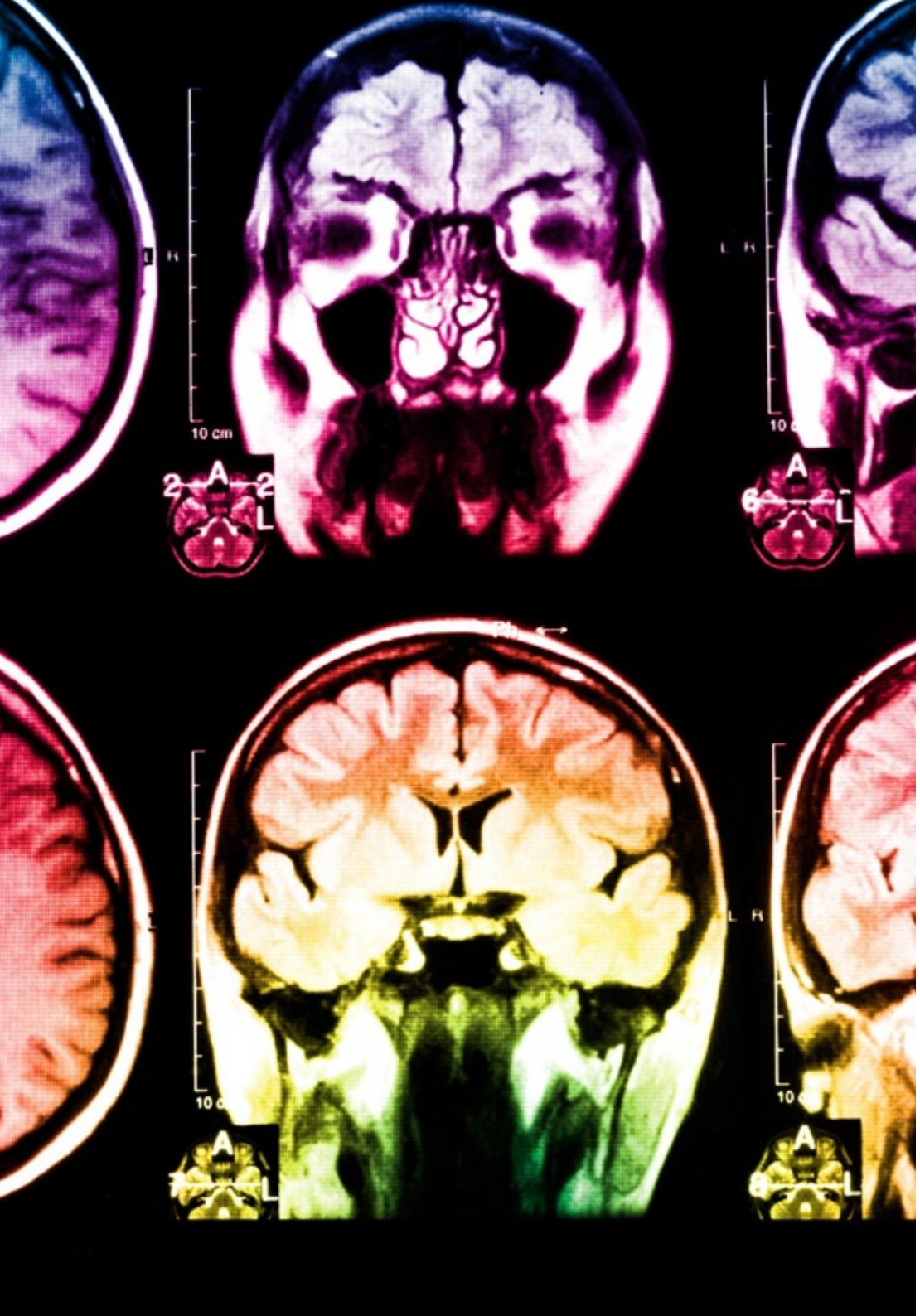
1. Veterinarians who follow this method not only manage to assimilate concepts, but also develop their mental capacity through exercises to evaluate real situations and knowledge application
2. Learning is solidly translated into practical skills that allow the student to better integrate into the real 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.

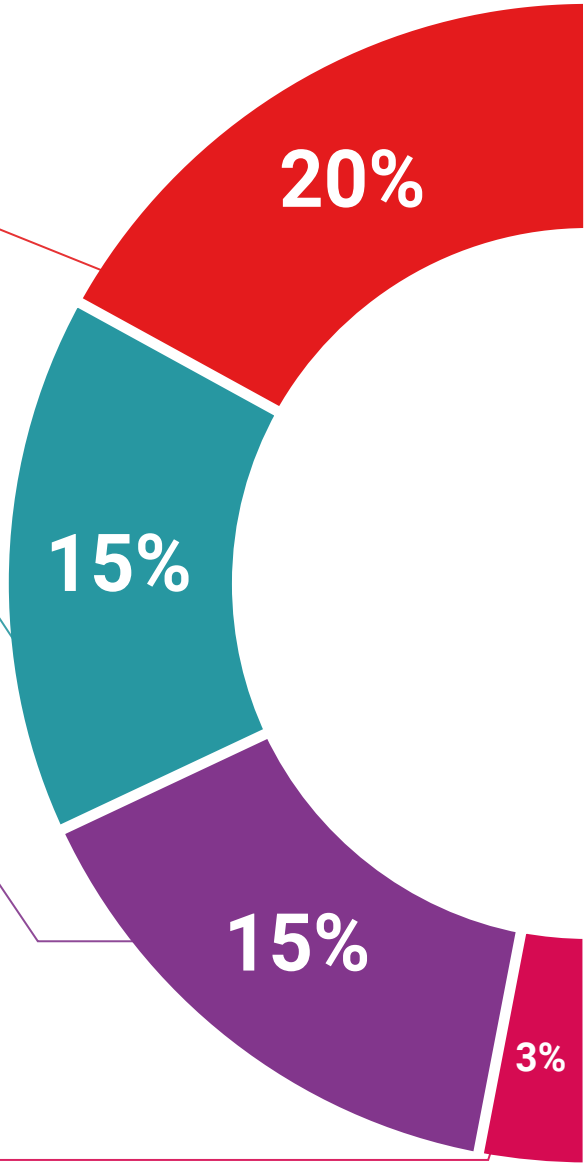
Interactive Summaries

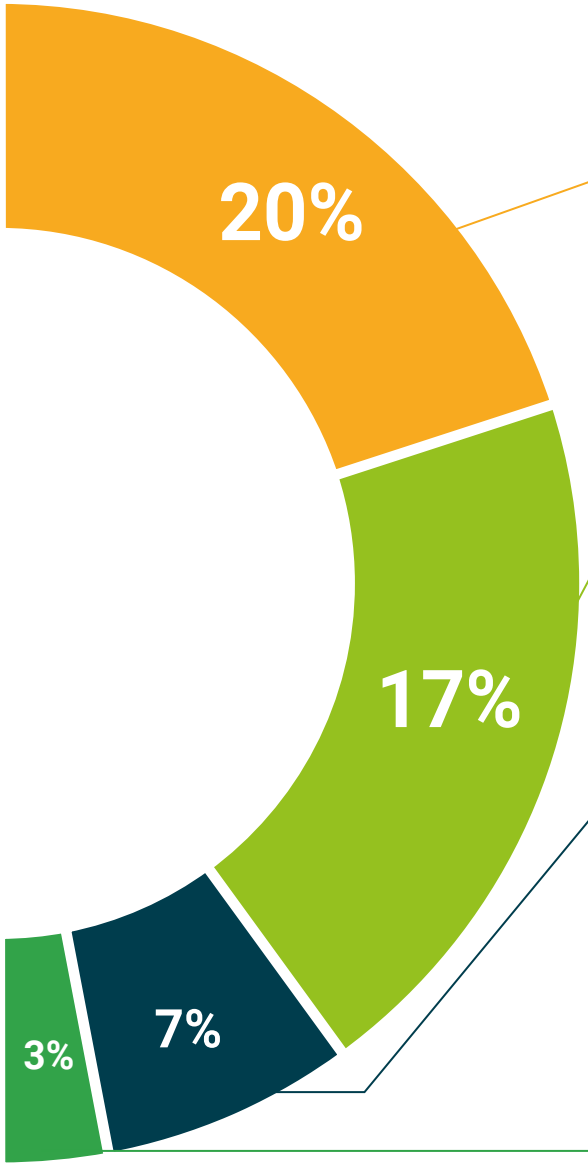
The TECH team presents the contents attractively and dynamically in multimedia lessons that include audio, videos, images, diagrams, and concept maps in order to reinforce knowledge.

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 Sow Management, Farrowing and Lactation guarantees students, in addition to the most rigorous and up to date education, access to a Postgraduate Certificate issued by TECH Technological University.

Successfully complete this program and receive your university qualification without having to travel or fill out laborious paperwork"

This **Postgraduate Certificate in Sow Management, Farrowing and Lactation** contains the most complete and up to date scientific program on the market.

After the student has passed the assessments, they will receive their corresponding **Postgraduate Certificate** diploma issued by **TECH Technological University** via tracked delivery*.

The diploma issued by **TECH Technological University** will reflect the qualification obtained in the Postgraduate Certificate, and meets the requirements commonly demanded by job markets, competitive examinations and professional career evaluation committees.

Title: **Postgraduate Certificate in Sow Management, Farrowing and Lactation**

Official Nº of hours: **150 h.**


tech technological university

Awards the following

CERTIFICATE

to

Mr./Ms. _____, with identification number _____.

For having passed and accredited the following program

POSTGRADUATE CERTIFICATE

in

Sow Management, Farrowing and Lactation

This is a qualification awarded by this University, equivalent to 150 hours, with a start date of dd/mm/yyyy and an end date of dd/mm/yyyy.

TECH is a Private Institution of Higher Education recognized by the Ministry of Public Education as of June 28, 2018.

June 17, 2020

Tere Guevara Navarro
Dean

This qualification must always be accompanied by the university degree issued by the competent authority to practice professionally in each country.

Unique TECH Code: AFWORD23S techtitute.com/certificates

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

tech technological university

Postgraduate Certificate

Sow Management, Farrowing and Lactation

- Modality: **online**
- Duration: **6 weeks**
- Certificate: **TECH Technological University**
- Dedication: **16h/week**
- Schedule: **at your own pace**
- Exams: **online**

Postgraduate Certificate
Sow Management, Farrowing and Lactation

tech technological university