

Postgraduate Certificate

Piglet Care and Management





Postgraduate Certificate Piglet Care and Management

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

Website: www.techtitute.com/us/veterinary-medicine/postgraduate-certificate/piglet-care-management

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01

Introduction

This program covers one of the most relevant moments in the life of a pig. This is the period from birth to fattening. During these first moments of life, caring for newborn piglets will be crucial for their survival, thus marking its immediate future. Therefore, it is essential for veterinary professionals to update their knowledge in piglet care and management.

A unique opportunity to stand out in a field with a high demand for professionals.





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A complete and total update in Piglet Care and Management with the most complete and effective training program on the online educational market”

Maternity and weaning are the stages in swine production where a much higher mortality rate than the rest. This causes important economic and time losses. We must add the ethical and social commitment that also pushes us to reduce these percentages.

Adequate training and knowledge of all the key aspects in the process will be fundamental to improve piglet survival.

A sound understanding of the environmental needs in the nursery can be the key in this stage of production. Some of these factors, such as thermal control or ventilation needs, will be very different for lactating sows than their litter. Finding the balance between the two will be an important management objective to prevent health problems and achieve the best results while also observing animal welfare.

Piglet lactation will be another of the pillars for both survival and future health, as well. The increasingly widespread worldwide use of hyperprolific sow strains makes the management of these large litters more laborious. In many cases, due to the lack of milk or litter heterogeneity, it is necessary to resort to adjustments and the use of wet nurses.

Moreover, this program will address the dietary changes that the piglet will undergo from birth and how they can affect its intestinal health. Weaning will also be a crucial period for piglets, which causes the so-called post-weaning stress, not only due to nutritional change, but social change as well.

Knowing the behavioral ethology of suckling and weaned piglets will help understand many of the welfare measures applied in swine production.

The Postgraduate Certificate in Piglet Care and Management 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 Piglet Care and Management** contains the most complete and up to date academic 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 availability from any fixed or portable device with an Internet connection
- ◆ Supplementary documentation databases are permanently available, even after the course



Join the elite with this highly effective Postgraduate Certificate, which will open new paths for your professional development"

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

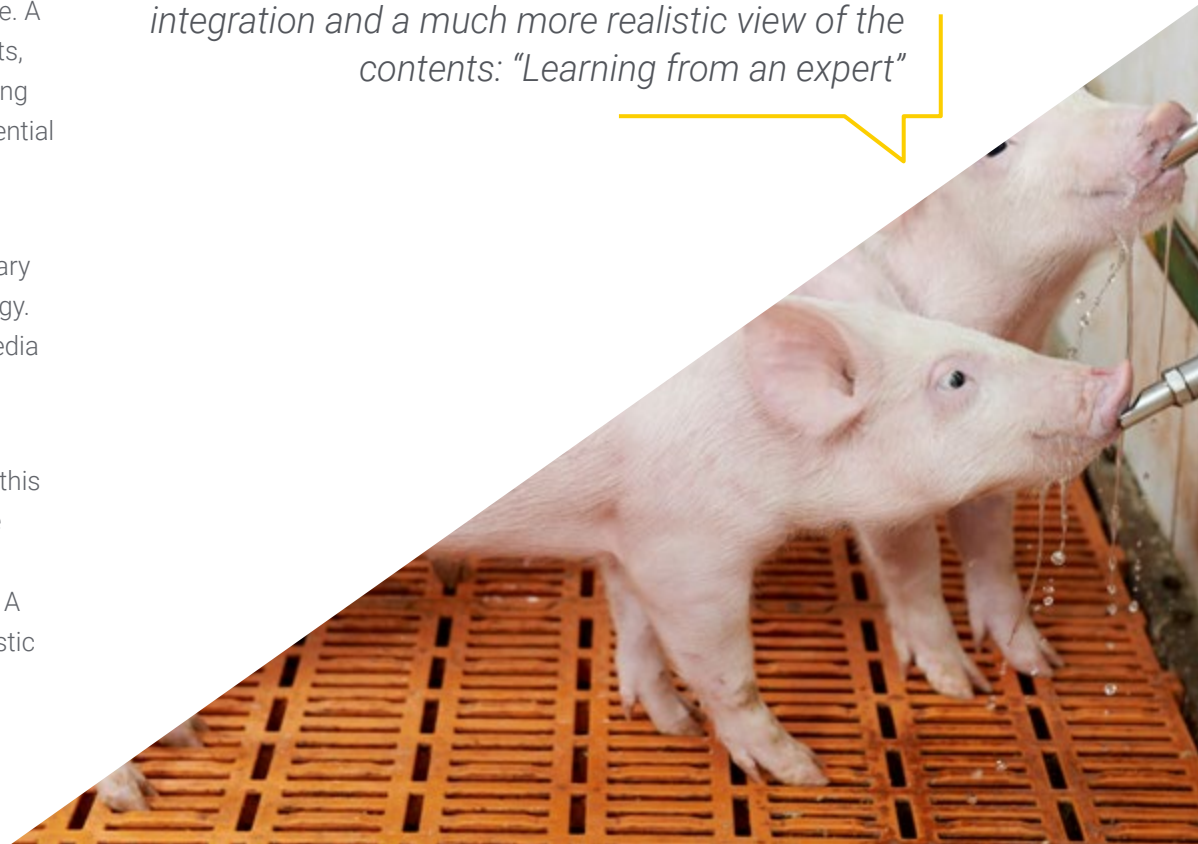
Our teaching staff is made up of professionals in different fields related to this specialty. That way, TECH ensures students the updating objective it aims to provide. A multidisciplinary team of professionals up and experienced in different environments, who will develop the theoretical knowledge in an efficient way 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 an eminently practical process. To achieve this remotely, TECH uses telepractice learning: with the help of an innovative, interactive video system, and *Learning from an Expert*, students will be able to acquire the knowledge as if they were actually dealing with the scenario they are learning from. 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 course 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 program that aspires to excellence”



General Objectives

- Identify all the critical points of piglet environmental needs from birth
- Establish the basis to correctly manage neonates in nursery
- Establish proper piglet placement and adoption process protocols
- Develop the keys to properly manage weaning and subsequent phases
- Maximize animal welfare in all its phases based on fundamental key points

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





Specific Objectives

- ♦ Examine the different types of facilities and environmental needs in the different phases after piglet birth
- ♦ Recognize the critical points of neonatal management to reduce mortality and pathologies
- ♦ Determine the physiological and ethological needs of piglets and mothers to guarantee welfare
- ♦ Analyze the appropriate methodology to minimize the negative effects of weaning
- ♦ Propose new alternative protocols to surgical castration: lymphocastration

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.





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Leading professionals in the field have come together to teach you the latest advances in Piglet Care and Management”

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)

Professors

Dr. 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)
- Co-owner of GRANJA CANTÍN LABARTA S.L. 06/2019-present
- 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
- 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 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 towards learning that is compatible with your personal and professional life"

Module 1. Piglets

- 1.1. Facilities and Environment Control in the Maternity Ward
 - 1.1.1. General Housing Criteria in the Labor-Lactation Phase
 - 1.1.2. Piglet Environmental Needs
 - 1.1.3. Types: Fixed and Removable Cages
 - 1.1.4. New Facility Models: Group Lactation
- 1.2. Neonatal Care
 - 1.2.1. Primary Care
 - 1.2.2. Suckling Piglet Physiology
- 1.3. Colostrum
 - 1.3.1. What Is Colostrum?
 - 1.3.2. Colostrum Function
 - 1.3.3. Techniques to Improve Piglet Colostrum
 - 1.3.4. Immunology and Perinatal Mortality
- 1.4. Adoptions and Nurturing
 - 1.4.1. The Litter Problem in Hyperprolific Sows
 - 1.4.2. Piglet Selection for Adoption
 - 1.4.3. Types of Adoption: 24 Hours vs. 24 Days after Birth
 - 1.4.4. Advantages and Disadvantages of Adoption
- 1.5. Litter Processing: Iron Deficiency Anemia
 - 1.5.1. Routine Litter Processes or Treatments
 - 1.5.2. Iron Deficiency Anemia
 - 1.5.3. Piglet Diet during Lactation
- 1.6. Non-Infectious Pathology in Newborns
 - 1.6.1. Congenital Malformations
 - 1.6.2. Litter Heterogeneity
 - 1.6.3. Other Pathologies
- 1.7. Piglet Management during Weaning
 - 1.7.1. Age at Weaning: Early vs. Conventional Weaning
 - 1.7.2. Post-Weaning Stress: Causes and Corrective Measures
 - 1.7.3. Intestinal Health





- 1.8. Facilities, Environment Control and Diet for Weaned Piglets
 - 1.8.1. Different Types of Enclosed vs. Open Housing in Weaning
 - 1.8.2. Piglet Environmental Needs in Weaning
 - 1.8.3. Diet
- 1.9. Piglet Management and Diet during Fattening: Immunocastration
 - 1.9.1. Intrinsic and Extrinsic Factors Influencing Piglet Growth
 - 1.9.2. Different Phased Production Systems: Conventional, Isowean and Wean-to-Finish Systems
 - 1.9.3. Male Immunocastration
 - 1.9.4. Female Immunocastration
 - 1.9.5. Welfare during Fattening
- 1.10. Piglet Behavior and Welfare
 - 1.10.1. Newborn Piglet Behavior: Cannibalism, Intra-Litter Competition, etc.
 - 1.10.2. Weaned Piglet Behavior: Hierarchization, Socialization, etc.
 - 1.10.3. Welfare in Maternity Wards
 - 1.10.4. Weaned Piglet Welfare



With the experience of working professionals and the analysis of real success stories, in a high-impact training approach”

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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

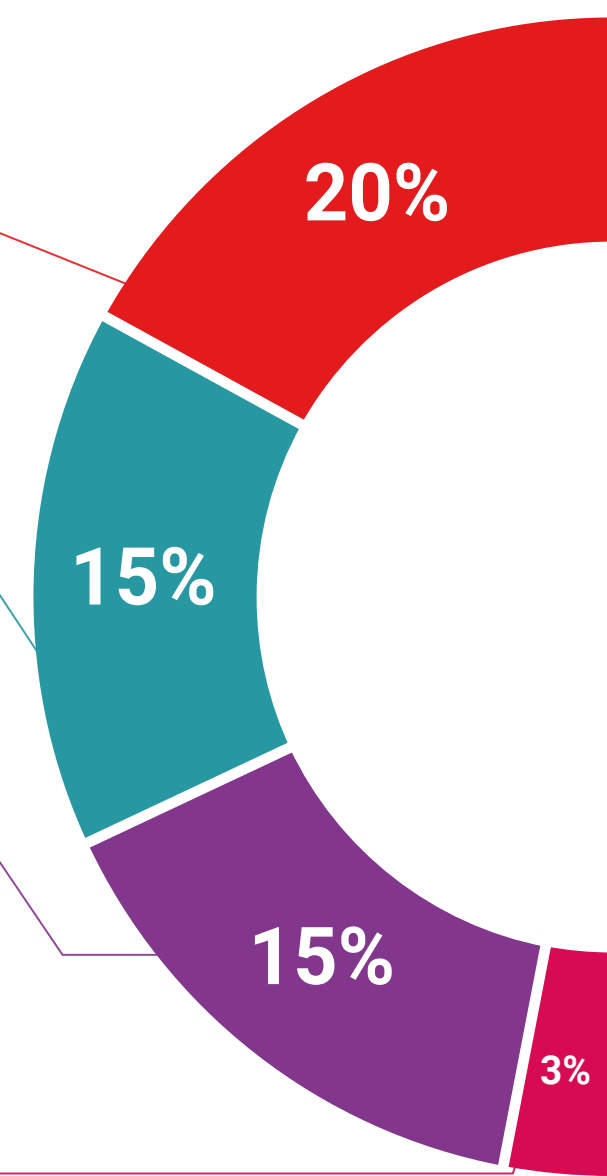
The TECH team presents the contents attractively and dynamically in multimedia lessons that include audio, videos, images, diagrams, and concept maps in order to reinforce knowledge.

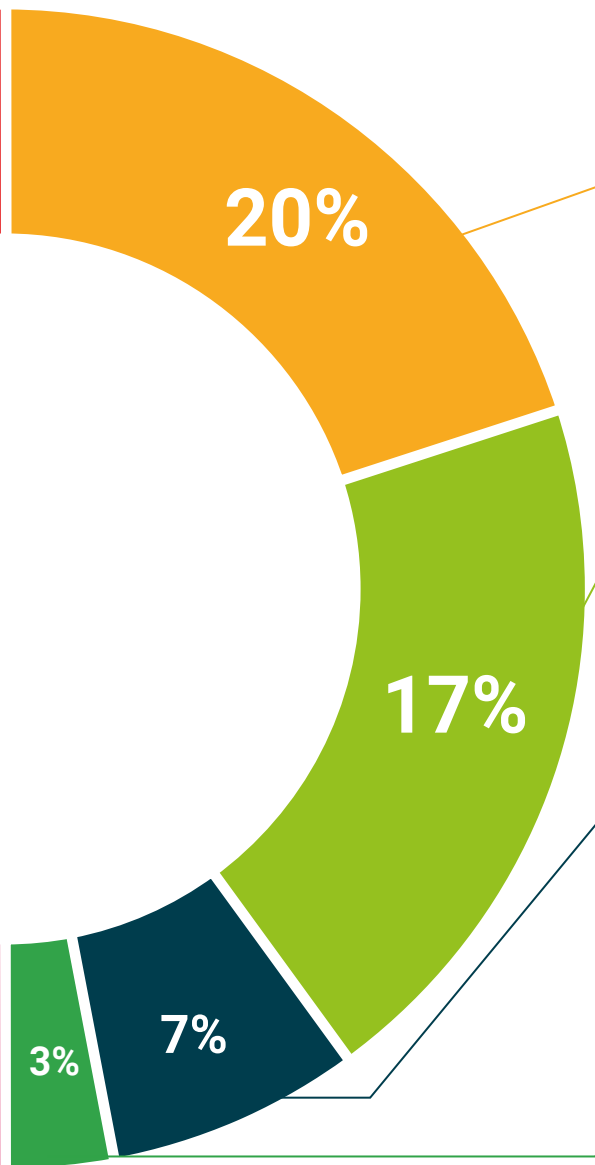
This exclusive educational system for presenting multimedia content was awarded by Microsoft as a "European Success Story".



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



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

This **Postgraduate Certificate in Piglet Care and Management** 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** 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 labor exchanges, competitive examinations and professional career evaluation committees.

Title: **Postgraduate Certificate in Piglet Care and Management**

Official Number of Hours: **150 h.**



*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.

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



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