

Postgraduate Certificate

Legal and Economic Framework of Aquaculture Production





Postgraduate Certificate Legal and Economic Framework of Aquaculture Production

Course Modality: **Online**

Duration: **12 weeks**

Certificate: **TECH - Technological University**

12 ECTS Credits

Teaching Hours: **300 hours.**

Website: www.techtitute.com/us/veterinary-medicine/postgraduate-certificate/legal-economic-framework-aquaculture-production

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01

Introduction

The productive activity of aquaculture needs specific regulations to regulate it as a source of food, employment and profitability, and to guarantee, as all current legislation states, the sustainable use of resources (soil, water, aquatic organisms) and to optimize economic benefits while preserving the environment and biodiversity. In this University Course we offer you the most complete specialization in the market regarding the legal and economic framework of aquaculture production.





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Get to know in depth the legal and economic framework of aquaculture production and take a qualitative step forward in your profession"

Aquaculture is one of the economic sectors linked to food production with the greatest potential for growth. In fact, FAO points out that it may be the fastest growing sector and estimates that in the coming years it will be the only alternative for maintaining the proportion of seafood products in the human diet at a global level, given the stagnation or depletion of global fish stocks.

Hence the importance of knowing the specific regulations of the sector and generating the need for students to learn about the sustainable development of aquaculture. It must be taken into account that aquaculture activity causes effects that directly impact human society and, consequently, its viability is absolutely essential. The business and macroeconomic factors must be taken into account for a correct analysis. This course focuses on the economics and economic-financial management of the production process in the field of aquaculture companies in order to provide the professional with the fundamentals of this sector, which is closely related to aquaculture.

This Postgraduate Certificate provides students with specialized tools and skills to successfully develop their professional activity in the wider aquaculture environment, working on fundamental competencies such as inside knowledge of the realities of the sector, practical experience, and developing responsibility in the monitoring and supervision of their work, as well as communication skills through teamwork. In addition, as it is an online Postgraduate Certificate, the student is not constrained by fixed timetables or the need to move to another physical location, but can access the contents at any time of the day, balancing his or her work or personal life with their academic life.

This **Postgraduate Certificate in Legal and Economic Framework of Aquaculture Production** contains the most complete and up-to-date Educational program on the market. The most important features of the program include:

- ♦ Practical cases studies are presented by experts in Aquaculture
- ♦ The graphic, schematic, and eminently practical contents with which they are created, provide scientific and practical information on the disciplines that are essential for professional practice.
- ♦ New developments in the legal and economic framework for aquaculture production
- ♦ Practical exercises where self-assessment can be used to improve learning.
- ♦ Special emphasis is placed on innovative methodologies in Legal and Economic Framework of Aquaculture Production
- ♦ Theoretical lessons, questions to the expert, debate forums on controversial topics, and individual reflection assignments
- ♦ Content that is accessible from any fixed or portable device with an Internet connection



Immerse yourself in this high quality educational program, which will enable you to face future challenges in Legal and Economic Framework

of Aquaculture Production"



This University Course is the best investment you can make in the selection of a refresher program to bring your knowledge of the Legal and Economic Framework of Aquaculture Production up to date"

Its teaching staff includes professionals from the veterinary field, who bring the experience of their work to this training, as well as recognised specialists from leading societies and prestigious universities.

Its multimedia content, developed with the latest educational technology, will provide the professional with situated and contextual learning, i.e. a simulated environment that will provide an immersive education programmed to train in real situations.

This program is designed around Problem Based Learning, whereby the specialist must try to solve the different professional practice situations that arise during the academic year. For this purpose, the professional will be assisted by an innovative interactive video system created by renowned and experienced experts in the legal and economic framework of aquaculture production.

This specialisation comes with the best didactic material, providing you with a contextual approach that will facilitate your learning

This 100% online Postgraduate Certificate will allow you to combine your studies with your professional work while expanding your knowledge in this field



02 Objectives

The **Postgraduate Certificate in Legal and Economic Framework of Aquaculture Production** is aimed at facilitating the performance of the veterinary professional with the latest advances and the most innovative treatments in the sector.





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Our goal is to achieve academic excellence and to help you achieve professional success as well"

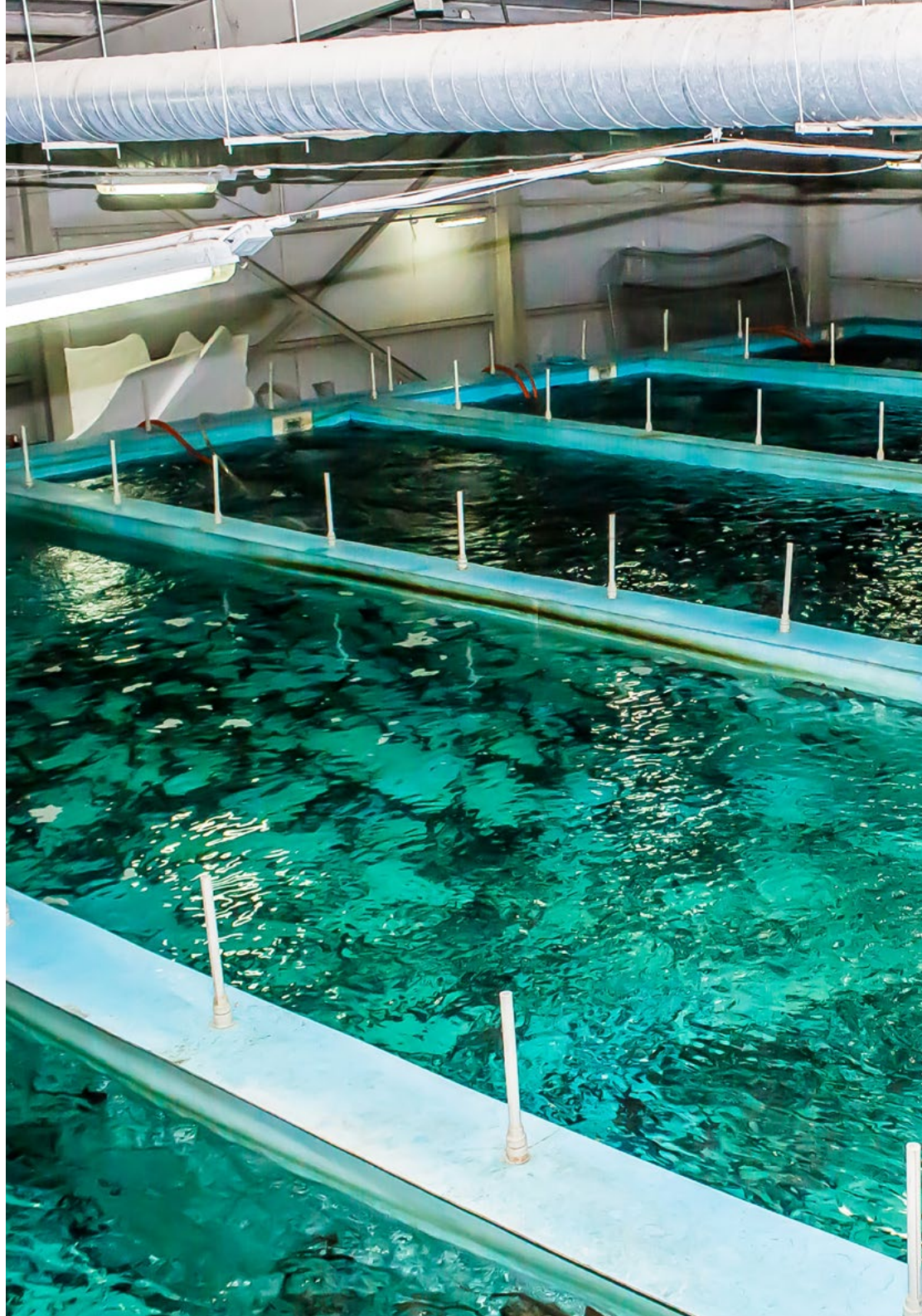


General Objectives

- ♦ Examine the Regulations Governing Aquaculture, its Legislation and the Rights and Obligations it generates
- ♦ Analyze and assess the organization and functions of the Main International Organizations in the Sector
- ♦ Determine the contribution of National and International Organizations, Entities, and Societies to the Progressive and Sustainable Development of Aquaculture Worldwide
- ♦ Quantify both Quantitatively and Qualitatively the Aquaculture Activity
- ♦ Analyze the basis of Aquaculture Viability.
- ♦ Identify the General Financial Bases in Aquaculture
- ♦ Present the Profit and Loss Account in a Company
- ♦ Identify the Economic Flows in an Aquaculture Company
- ♦ Examine Equity and Financial Concepts



Make the most of the opportunity and take the step to get up to date on the latest developments in the Legal and Economic Framework of Aquaculture Production"





Specific Objectives

- ◆ Establish the Formal and Material Sources Generated by the Aquaculture Regulatory Standards
- ◆ Select the Regulations applicable to the Geographical Environment
- ◆ Determine the main Policies and Frameworks that Promote the Development of Aquaculture
- ◆ Examine the Rights and Duties deriving from the Legal Framework that Regulates Social, Economic, and Labor Conditions
- ◆ Enhance the use of the Resources and Opportunities offered by Official Organizations in Aquaculture
- ◆ Analyze the Importance of the activity of Societies, Foundations, and Entities that favor Research, Technological Development, and Innovation Projects in Aquaculture
- ◆ Generate Capacity to Adapt to New Economic, Legislative, Technical, and Technological Situations that may arise
- ◆ Identify Economic-financial Analysis Techniques
- ◆ Present and Develop Concepts related to Viability
- ◆ Define the Rules of Economic Analysis
- ◆ Lay the Foundations of Financial Analysis
- ◆ Identify the Main Economic and Financial Ratios to be considered
- ◆ Evaluating these ratios in the field of Aquaculture
- ◆ Establish the Equity Parameters
- ◆ Discuss Economic-financial Issues in Aquaculture.

03

Course Management

The program's Teaching Staff includes leading experts in Aquaculture who contribute their expertise to this specialization. They are World-renowned Professionals from different Countries with proven Theoretical and Practical Professional Experience.



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We have the best Teaching Team in the field of Aquaculture, with years of experience and who are determined to transmit all their knowledge about this Sector"

Management



Mr. Gracia Rodríguez, José Joaquín

- ♦ Degree in Veterinary Medicine from the University of Murcia.
- ♦ Diploma in Aquaculture Specialization. Polytechnic University of Valencia
- ♦ Advanced Ichthyopathology Course
- ♦ International Congress on Sustainable Aquaculture
- ♦ Certificate in Pedagogical Aptitude University of Extremadura
- ♦ Attendance at the AVEPA Continuing Education Conference
- ♦ Teacher in Higher Vocational Training Degrees in the Sanitary Branch
- ♦ Training in Biosecurity and Pathology in the Ornamental Aquaculture Sector
- ♦ Speaker at National Congresses and Courses on Ornamental Aquaculture
- ♦ Training Courses for Livestock Farmers on Safety and Regulations in the Transport of Animals.
- ♦ Food Handler Courses for Companies and Individuals.
- ♦ Consultant in Ichthyopathology for several companies in the Aquaculture Sector
- ♦ Technical Director in the Ornamental Aquaculture Industry
- ♦ Coordination of Projects in Maintenance of Wild Species and Water Quality
- ♦ Projects in Natural Parks for the Control of Allochthonous Ichthyofauna
- ♦ Projects for the Recovery of Native Crayfish
- ♦ Carrying out Wildlife Species Censuses
- ♦ Coordination of livestock Sanitation Campaigns in Castilla-La Mancha
- ♦ Veterinarian in a Breeding and Genetic Improvement Company in the Rabbit Breeding Sector

Management



Ms. Herrero Iglesias, Alicia Cristina

- ♦ Degree in Veterinary Medicine from the University of Extremadura.
- ♦ Master's Degree in Secondary Education, International University of La Rioja
- ♦ Course "Animal Welfare in Livestock Production" organized by the Official College of Veterinarians of Madrid, in collaboration with the Faculty of Veterinary Medicine UCM and the Ministry of Environment and Land Management of the Community of Madrid
- ♦ Occupational Trainer, given by the INESEM Postgraduate Training Center.
- ♦ "Trainer of Trainers" Course given by the University Antonio de Nebrija .
- ♦ Teacher in the Degree in Veterinary Medicine, University of Alfonso X el Sabio (Madrid)
- ♦ Since February 2012 she has been Teaching "Ethnology and Veterinary Business Management" and "Animal Production"
- ♦ From the Academic Year 2016-2017 to the present, she has been teaching Hematological Analysis Techniques and Immunological Diagnostic Techniques for the 2nd year of the Formative Cycle of Higher Degree of Clinical and Biomedical Laboratory in Opesa (Madrid)
- ♦ Secondary School Teacher Cristóbal Colón School (Talavera de la Reina) Academic Year 18/19
- ♦ Veterinary Trainer in the Alonso Herrero HACCP Company for the Training of Food Handlers

Professors

D. López Ruano, Gregorio

- ♦ Law Degree from the University of Extremadura, June 2000
- ♦ Occupational Trainer Department of Labor of the Regional Government of Extremadura
- ♦ Trainer of Trainers in e-learning. Online Training Institute-Plan Avanza
- ♦ Social Responsibility, Crisis, and Labor Reform. International University of Andalusia
- ♦ Teacher of Secondary Education Specializing in Business Administration, Ministry of Education, Culture, and Sports of the Junta de Castilla-la Mancha (since 2017)

04

Structure and Content

The structure of the content has been designed by the best Professionals in the Aquaculture Sector, with extensive Experience and Recognized Prestige in the Profession, backed by the volume of cases Reviewed, Studied, and Diagnosed, and with extensive knowledge of New Technologies applied to Veterinary Medicine.





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We have the most complete and up-to-date academic program in the market. We strive for excellence and for you to achieve it too"

Module 1. Aquaculture Sector Regulations

- 1.1. Legal Framework for Aquaculture
 - 1.1.1. Aquaculture
 - 1.1.2. Legal Certainty and the Degree of Regulatory Development
 - 1.1.3. Legal Regime
 - 1.1.4. Scope of Regulation
- 1.2. Regulations related to Aquaculture
 - 1.2.1. Specific Regulations
 - 1.2.2. Regulations of General Application
 - 1.2.3. Environmental Regulations
 - 1.2.4. Animal Health Regulations
 - 1.2.5. Hygienic-Sanitary Regulations
 - 1.2.6. Marketing Regulations
 - 1.2.7. Other Regulations involved
- 1.3. Regulation of Aquaculture in the European Union
 - 1.3.1. European Aquaculture
 - 1.3.2. The Strategy for the Sustainable Development of European Aquaculture
 - 1.3.3. The Strategic Guidelines for the Sustainable Development of EU Aquaculture
 - 1.3.4. Resolutions of the European Parliament
- 1.4. Spanish Regulations
 - 1.4.1. Spanish Constitution of 1978
 - 1.4.2. Law No. 20/1942 on the Promotion and Conservation of River Fishing
 - 1.4.3. Law No. 23/1984 on Marine Cultivation.
 - 1.4.4. Law No. 22/1988 on Coasts
- 1.5. Aquaculture in Latin America
 - 1.5.1. Approximation to the Legal Framework for Aquaculture in Latin American Countries
 - 1.5.2. The Commission on Small-scale, Artisanal, and Small-scale Fisheries, and Aquaculture of Latin America and the Caribbean (COPPESAALC)





- 1.6. International Organizations
 - 1.6.1. European Union
 - 1.6.2. World Trade Organization (WTO)
 - 1.6.3. World Health Organisation (WHO)
 - 1.6.4. World Organization for Animal Health (OIE)
 - 1.6.5. International Council for the Exploration of the Sea
- 1.7. Food and Agriculture Organization of the United Nations (FAO)
 - 1.7.1. Food and Agriculture Organization of the United Nations (FAO)
 - 1.7.2. The FAO and Aquaculture
 - 1.7.3. Committee on Fisheries (COFI)
 - 1.7.4. COFI Aquaculture Subcommittee
 - 1.7.5. The Code of Conduct for Responsible Fishing
- 1.8. The Spanish Aquaculture Observatory (OESA) and the National Advisory Board for Marine Cultures (JACUMAR)
 - 1.8.1. The Spanish Aquaculture Observatory
 - 1.8.2. Objectives of the Spanish Aquaculture Observatory
 - 1.8.3. Strategy of Spanish Aquaculture
 - 1.8.4. Collaboration Projects
 - 1.8.5. The National Advisory Board for Marine Crops, Objectives, and Operation
- 1.9. International Entities and Partnerships
 - 1.9.1. World Aquaculture Society
 - 1.9.2. Spanish Aquaculture Society
 - 1.9.3. Other Aquaculture Societies and Organizations
- 1.10. Regional Fishery Bodies
 - 1.10.1. Regional Fisheries Organizations (RFOs)
 - 1.10.2. Regional Fishery Organizations Managing Migratory Species
 - 1.10.3. Regional Fishery Organizations Managing Geographic Areas
 - 1.10.4. Regional Fisheries Organizations of an Advisory Nature

Module 2. Structure and Economic Management

- 2.1. Introduction
 - 2.1.1. Capture Production
 - 2.1.2. Aquaculture Production
 - 2.1.3. Initial Conclusions
- 2.2. The Quantitative and Qualitative importance of Aquaculture in the World
 - 2.2.1. Introduction
 - 2.2.2. The Evolution of World Aquaculture
 - 2.2.3. Aquaculture Location
 - 2.2.4. Its Quantitative and Qualitative Perspectives
 - 2.2.5. Initial Conclusions
- 2.3. Quantitative and Qualitative importance in the European Union
 - 2.3.1. Introduction
 - 2.3.2. Relative and Absolute Importance
 - 2.3.3. Main Strengths and Weaknesses
 - 2.3.4. Its Quantitative and Qualitative Perspectives
 - 2.3.5. Initial Conclusions
- 2.4. The Quantitative and Qualitative Importance of Aquaculture in Spain
 - 2.4.1. Introduction
 - 2.4.2. Relative and Absolute Importance
 - 2.4.3. Main Strengths and Weaknesses
 - 2.4.4. Its Quantitative and Qualitative Perspectives
 - 2.4.5. Initial Conclusions
- 2.5. Viability of the Aquaculture Enterprise
 - 2.5.1. Introduction
 - 2.5.2. What is meant by Viability
 - 2.5.3. Types of Viability
 - 2.5.4. The Conditional Viability of the Investment
 - 2.5.5. Initial Conclusions
- 2.6. Finance in the Aquaculture Company
 - 2.6.1. Introduction
 - 2.6.2. Sources of Financing; their interest
 - 2.6.3. The Policy and Cost of Indebtedness
 - 2.6.4. Structure and Sources of Indebtedness
 - 2.6.5. Self-financing
 - 2.6.6. Initial Conclusions
- 2.7. The Profit and Loss Account and Economic Flows in the Aquaculture Enterprise
 - 2.7.1. Introduction
 - 2.7.2. Results Research
 - 2.7.3. Economic and Financial Cash Flows
 - 2.7.4. The Added Value
 - 2.7.5. Initial Conclusions
- 2.8. The Equity and Financial Analysis of the Aquaculture Business
 - 2.8.1. Introduction
 - 2.8.2. Prerequisites
 - 2.8.3. Arrangement of the Balance Sheet
 - 2.8.4. Analysis of the Development of the Balance Sheet
 - 2.8.5. Ad - hoc Conclusiones
- 2.9. Economic Ratios to be considered in Aquaculture
 - 2.9.1. Introduction
 - 2.9.2. The Relative Value of Ratios
 - 2.9.3. Types of Ratios
 - 2.9.4. Ratios to Evaluate Profitability
 - 2.9.5. Ratios to Evaluate Liquidity
 - 2.9.6. Ratios to Evaluate Indebtedness
 - 2.9.7. Initial Conclusions
- 2.10. Economic Analysis in Aquaculture
 - 2.10.1. Introduction
 - 2.10.2. Structure and Operability of Accounting Accounts
 - 2.10.3. Asset and Liability Accounts
 - 2.10.4. Difference Accounts
 - 2.10.5. Profit and Loss Accounts
 - 2.10.6. The Checks
 - 2.10.7. Complementary Considerations



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This specialization will allow you to comfortably advance in your career ”

05

Methodology

This training provides you with a different way of learning. Our methodology uses a cyclical learning approach: ***Re-learning***.

This teaching system is used 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 Re-learning, 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

In a given clinical situation, what would you do? 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 abundant scientific evidence on the effectiveness of the method. Specialists learn better, faster, and more sustainably over time.

With TECH you can 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 potential or because of its uniqueness or rarity. It is essential that the case be based on current professional life, trying to recreate the real conditions in the 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 achieve the assimilation of concepts, but also a development of their mental capacity through exercises to evaluate real situations and the application of knowledge.
2. The learning process has a clear focus on 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.



Re-learning Methodology

At TECH we enhance the Harvard case method with the best 100% online teaching methodology available: Re-learning.

Our 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, which represent a real revolution with respect to simply studying and analyzing 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 Re-learning method has managed to improve the overall satisfaction levels of professionals who complete their studies, with respect to the quality indicators of the best Spanish-speaking online university (Columbia University).

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

Re-learning 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 to success

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

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



In this program you will have access to the best educational material, prepared with you in mind:



Study Material

All didactic contents are created by the specialists who will teach the course, and which is specifically designed for the course, so that the didactic content is both concrete and practical.

This content is then adapted in an audiovisual format that will create our way of working online, with the latest techniques that allow us to offer you high quality in all of the material that we provide you with.



Latest Techniques and Procedures on Video

We bring you closer to the latest Techniques, to the latest Educational Advances, to the forefront of current Veterinary Techniques and Procedures. All this, in first person, with the maximum rigor, explained and detailed for your assimilation and understanding. And best of all, you can watch them as many times as you want.



Interactive Summaries

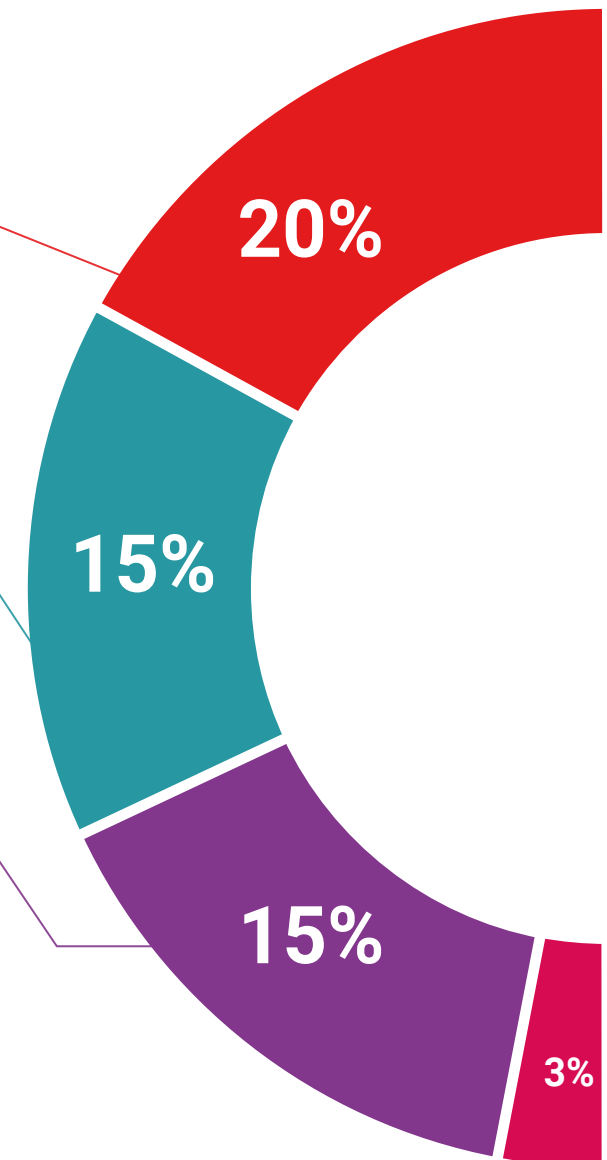
We present the contents attractively and dynamically in multimedia lessons that include audio, videos, images, diagrams, and concept maps in order to reinforce knowledge.

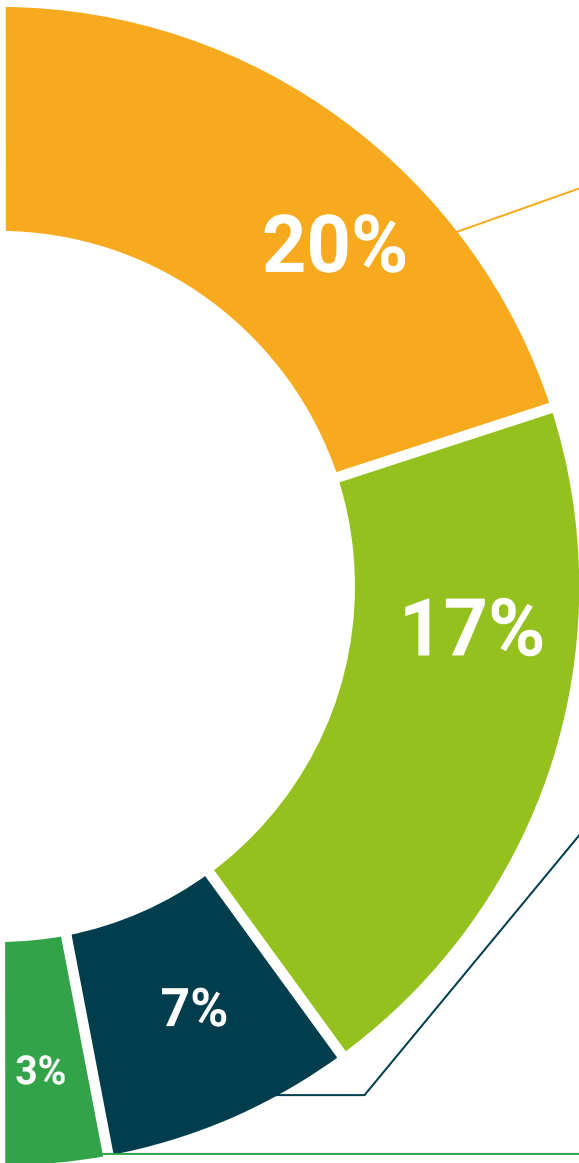
This unique multimedia content presentation training system was awarded by Microsoft as a "European Success Story".



Additional Reading

Recent articles, consensus documents, international guides. in our virtual library you will have access to everything you need to complete your training.





Expert-Led Case Studies and Case Analysis

Effective learning ought to be contextual. Therefore, we will present you with real case developments in which the expert will guide you through 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 your knowledge throughout the program, through assessment and self-assessment activities and exercises: so that you can see how you are achieving your 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 our future difficult decisions.



Quick Action Guides

We offer you the most relevant contents of the course in the form of worksheets or quick action guides. A synthetic, practical, and effective way to help you progress in your learning.



06

Certificate

The Postgraduate Certificate in Legal and Economic Framework of Aquaculture Production guarantees you, in addition to the most rigorous and up to date training, access to a Postgraduate Certificate issued by TECH - Technological University.



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*Successfully complete this specialisation
and receive your university degree
without travel or laborious paperwork”*

This **Postgraduate Certificate in Legal and Economic Framework**

of Aquaculture Production contains the most complete and up-to-date scientific program on the market.

After students have passed the assessments, they will receive their **Postgraduate Certificate** issued by **TECH - Technological University**.

The diploma issued by **TECH - Technological University** will reflect the qualification obtained in the Master's Degree, and meets the requirements commonly demanded by labor exchanges, competitive examinations, and professional career evaluation committees.

Title: **Postgraduate Certificate in Legal and Economic Framework**

of Aquaculture Production

ECTS: **12**

Official Number of Hours: **300**



*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 language
classroom



Postgraduate Certificate
Legal and Economic
Framework
of Aquaculture
Production

Course Modality: **Online**

Duration: **12 weeks**

Certificate: **TECH - Technological University**

12 ECTS Credits

Teaching Hours: **300 hours.**

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