

# Postgraduate Certificate

## Technology Applied to Professional Volleyball

Endorsed by the NBA



**tech** global  
university





## Postgraduate Certificate Technology Applied to Professional Volleyball

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

Website: [www.techtute.com/us/sports-science/postgraduate-certificate/technology-applied-professional-volleyball](http://www.techtute.com/us/sports-science/postgraduate-certificate/technology-applied-professional-volleyball)

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# 01

# Introduction

New technologies have transformed the planning and preparation of both the matches and the athletes themselves in high competition. The use of software that transmits analytical information in real time, facilitates the strategic knowledge of the opponent or generates statistical databases are essential at these professional levels. For this reason, the volleyball coach or scout must be aware of all the news concerning this field. Therefore, this 100% online program is born, which introduces students to the most advanced knowledge about the use of technology for tactical and technical evaluation and the presentation of the results obtained. A unique opportunity to progress in a sport practiced by nearly one billion people worldwide.



MIKASA



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*In only 6 weeks you will be up to date with the most advanced technology applied to Professional Volleyball. Enroll now”*

One of the great advances in the sports field has been the incorporation of new technologies for the analysis of player and team performance. In this way, the professionals obtain an objective and accurate view that allows them to make the right decisions to improve their team or the strategy to be used depending on the characteristics of the opponent.

A scenario that undoubtedly favors competitiveness and also influences other relevant aspects such as the improvement of the technique for injury prevention. In this sense, TECH has thought it appropriate to provide technical professionals and scouts with a Postgraduate Certificate focused on Technology Applied to Professional Volleyball.

This is an advanced syllabus with a theoretical and practical approach on the main tools, devices and software used in this sport for the analytical study of the tactics and technique of athletes and teams. An academic itinerary of 150 teaching hours taught by real specialists in this field and in the world of Volleyball.

In this way, students will get the latest information with numerous additional material and case studies that will offer a much more direct vision and great direct application to their day to day.

An excellent opportunity to grow professionally through a flexible and convenient university program. Students only need an electronic device with an Internet connection to be able to visualize, at any time of the day, the syllabus of this program. So, with no classroom attendance or fixed class schedules, TECH facilitates self-management of study time and the possibility of combining a first-class education with the most demanding responsibilities.

This **Postgraduate Certificate in Technology Applied to Professional Volleyball** contains the most complete and up-to-date scientific program on the market. The most important features include:

- ♦ The development of case studies presented by experts in Physical Education and Professional Volleyball
- ♦ The graphic, schematic and practical contents of the book provide technical and practical information on those disciplines that are essential for professional practice
- ♦ Practical exercises where self-assessment can be used to improve learning
- ♦ Its special emphasis on innovative methodologies
- ♦ 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



*Do you want to be a Volleyball scout and keep up to date with the latest technological advances in technical analysis? Get into this program now"*

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*Go deeper into the Coachnote, Settex or Data Voley applications and improve your team's tactical analysis"*

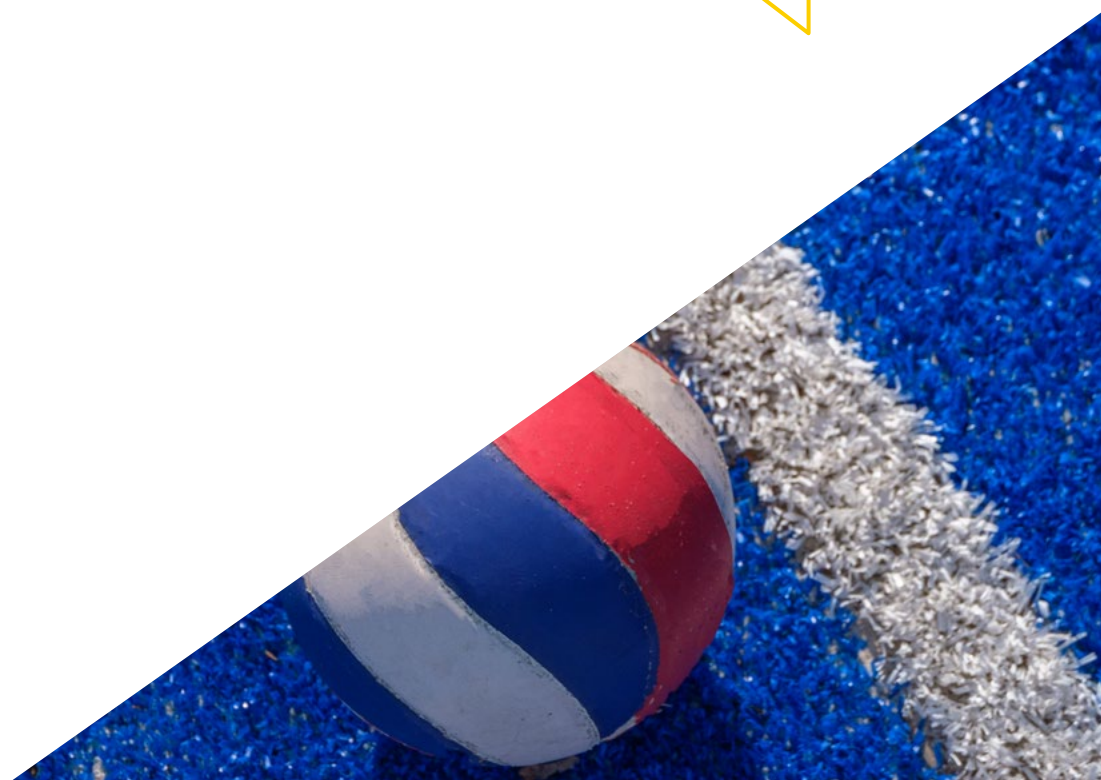
The program's teaching staff includes professionals from the field who contribute their work experience to this educational program, as well as renowned specialists from leading societies and prestigious universities.

The 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 immersive education programmed to learn in real situations.

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

*Thanks to the Relearning system you will be able to reduce the long hours of study and memorization. Enroll now.*

*TECH helps you to improve the interpretation of statistical data obtained through the most recent applications on the market.*



# 02 Objectives

The main goal of this Postgraduate Certificate is to bring together in 150 teaching hours the most advanced and recent information on Technology Applied to Professional Volleyball. In this way, it will give the professionals numerous technical and pedagogical resources to carry out their work of analysis or scouting in first level teams. All of this, helped by a teaching staff with a wide experience in the sports field.







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*You will be able to improve the serving technique of your players with the vision and data extracted from the most sophisticated technological tools"*



## General Objectives

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- Plan specific training for the full development of the volleyball player
- Structure general training for the achievement of team objectives
- Apply recovery strategies adapted to the needs of the athlete
- Assess and develop the player's capabilities to bring them to their maximum potential
- Lead the training area in a high level team
- Develop the correct physical preparation of a player

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*You will more easily detect your opponent's weaknesses using the latest volleyball game analysis technology”*





## Specific Objectives

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- Know the existing technological systems for the extraction of data on the technique and game of each player
- Learn how to perform an exhaustive analysis of the extracted data and therefore improve the performance of the player and the team
- Delve into how to use video as a tool for analysis and game improvement
- Indicate how to effectively present the results of a match study through new technologies

# 03

# Course Management

TECH has carried out a rigorous selection process of the faculty that teaches this program. Therefore, students will find a masterful combination between directors with extensive experience in the field of volleyball and a teacher specialized in communications systems engineering. A fusion that undoubtedly combines perfectly with the theme of this university program and that will promote a much more advanced and closer knowledge.





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*TECH puts at your disposal a faculty specialized in Volleyball and Communication Systems Engineering”*

## Management



### **Ms. Tabeayo Martínez, Nerea**

- Player of Voley Murcia
- Graduate in Physical Activity and Sports Sciences from the Faculty of Physical Activity and Sports Sciences at UCAM - San Antonio Catholic University of Murcia
- Volleyball Coach Level 1



# 04

## Structure and Content

The syllabus of this university program has been prepared by an excellent teaching team that has brought together in 6 weeks, the most current knowledge about the Technology Applied to Professional Volleyball. All in a theoretical vision, but at the same time practical and very useful in the day to day of the future coach or scout of this sport. In this way, students will get all the tools they need to perform the most detailed analysis of their players, their team and their opponents.







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*You will improve the overall performance of your teams by applying the latest technology used in the study of Professional Volleyball matches”*

## Module 1. Technology in volleyball

- 1.1. Using Video: How to Use Video as a Tool for Game Analysis and Improvement
  - 1.1.1. Why Is It Important?
  - 1.1.2. Objectives
  - 1.1.3. Study Elements
  - 1.1.4. Application after Analysis
- 1.2. Tactical Analysis: How to Analyze the Team's and the Opponent's Play
  - 1.2.1. Why Is It Important?
  - 1.2.2. Objectives
  - 1.2.3. Opponent's Tactics
  - 1.2.4. Tactics of our Team
- 1.3. Analysis of Individual Technique: How to Analyze the Individual Technique of Players Through Video
  - 1.3.1. Why Is It Important?
  - 1.3.2. Objectives
  - 1.3.3. Application after Analysis
  - 1.3.4. Visual Support of Statistical Data
- 1.4. Presenting Results: How to Present Video Analysis Results Effectively
  - 1.4.1. Selection
  - 1.4.2. Study
  - 1.4.3. Exhibition
  - 1.4.4. Objective
- 1.5. Applications for Technical Analysis
  - 1.5.1. Video Delay
  - 1.5.2. Coach's eye
  - 1.5.3. Huddle Technique
  - 1.5.4. Kinovea
- 1.6. Applications for Tactical Analysis
  - 1.6.1. Coachnote
  - 1.6.2. Settex
  - 1.6.3. Data volley
  - 1.6.4. Volley Scout



- 1.7. Applications for Physical Analysis
  - 1.7.1. My jump
  - 1.7.2. Powerlift
  - 1.7.3. Nordics
  - 1.7.4. Dorsiflex
- 1.8. *Scouting* in volleyball
  - 1.8.1. What Is It?
  - 1.8.2. Information Gathering
  - 1.8.3. Statistical Analysis
  - 1.8.4. Application of Information
- 1.9. Quantitative Analysis *Data*
  - 1.9.1. What Is It?
  - 1.9.2. Main Tool
  - 1.9.3. Data Selection
  - 1.9.4. Application after Analysis
- 1.10. Qualitative Analysis Spreadsheets and video
  - 1.10.1. What Is It?
  - 1.10.2. Data Science
  - 1.10.3. Data Selection
  - 1.10.4. Application after Analysis



# 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"*

### Case Study to contextualize all content

Our program offers a revolutionary approach to developing skills and knowledge. Our goal is to strengthen skills in a changing, competitive, and highly demanding environment.

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*At TECH, you will experience a learning methodology that is shaking the foundations of traditional universities around the world"*



*You will have access to a learning system based on repetition, with natural and progressive teaching throughout the entire syllabus.*



*The student will learn to solve complex situations in real business environments through collaborative activities and real cases.*

### A learning method that is different and innovative

This TECH program is an intensive educational program, created from scratch, which presents the most demanding challenges and decisions in this field, both nationally and internationally. This methodology promotes personal and professional growth, representing a significant step towards success. The case method, a technique that lays the foundation for this content, ensures that the most current economic, social and professional reality is taken into account.

**“** *Our program prepares you to face new challenges in uncertain environments and achieve success in your career”*

The case method is the most widely used learning system in the best faculties in the world. The case method was developed in 1912 so that law students would not only learn the law based on theoretical content. It consisted of presenting students with real-life, complex situations for them to make informed decisions and value judgments on how to resolve them. In 1924, Harvard adopted it as a standard teaching method.

What should a professional do in a given situation? This is the question we face in the case method, an action-oriented learning method. Throughout the program, the studies will be presented with multiple real cases. They will have to combine all their knowledge and research, and argue and defend their ideas and decisions.

## Relearning Methodology

TECH effectively combines the Case Study methodology with a 100% online learning system based on repetition, which combines 8 different teaching elements in each lesson.

We enhance the Case Study with the best 100% online teaching method: Relearning.

*In 2019, we obtained the best learning results of all online universities in the world.*

At TECH, you will learn using a cutting-edge methodology designed to train the executives of the future. This method, at the forefront of international teaching, is called Relearning.

Our university is the only one in the world authorized to employ this successful method. In 2019, we managed to improve our students' overall satisfaction levels (teaching quality, quality of materials, course structure, objectives...) based on the best online university indicators.





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.

With this methodology, we have trained more than 650,000 university graduates with unprecedented success in fields as diverse as biochemistry, genetics, surgery, international law, management skills, sports science, philosophy, law, engineering, journalism, history, markets, and financial instruments. All this in a highly demanding environment, where the students have a strong 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.*

From the latest scientific evidence in the field of neuroscience, not only do we know how to organize information, ideas, images and memories, but we know that the place and context where we have learned something is fundamental for us to be able to remember it and store it in the hippocampus, to retain it in our long-term memory.

In this way, and in what is called neurocognitive context-dependent e-learning, the different elements in our program are connected to the context where the individual carries out their professional activity.



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.



### 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.



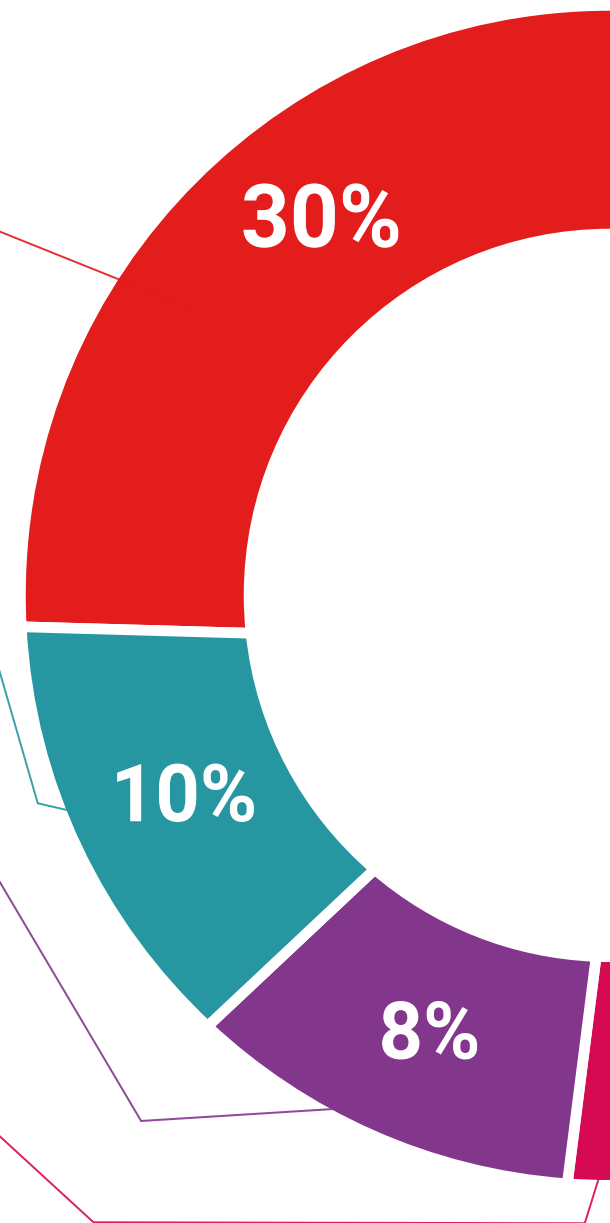
### Practising Skills and Abilities

They will carry out activities to develop specific competencies and skills in each thematic area. Exercises and activities to acquire and develop the skills and abilities that a specialist needs to develop in the context of the globalization that we are experiencing.



### 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.





#### Case Studies

Students will complete a selection of the best case studies chosen specifically for this situation. Cases that are presented, analyzed, and supervised by the best specialists in the world.



#### 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".



#### 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.



# 06 Certificate

The Postgraduate Certificate in Technology Applied to Professional Volleyball 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 university qualification without having to travel or fill out laborious paperwork”*

This private qualification will allow you to obtain an **Postgraduate Certificate in Technology Applied to Professional Volleyball** 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** private qualification, 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 Technology Applied to Professional Volleyball**

Modality: **online**

Duration: **6 weeks**

Accreditation: **6 ECTS**

**Endorsed by the NBA**



\*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.



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Professional Volleyball

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

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