

**Postgraduate Certificate**  
Quality Control  
and Effectiveness  
of Cosmetic Products





## Postgraduate Certificate Quality Control and Effectiveness in Cosmetic Products

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

Website: [www.techtute.com/us/pharmacy/postgraduate-certificate/quality-control-effectiveness-cosmetic-products](http://www.techtute.com/us/pharmacy/postgraduate-certificate/quality-control-effectiveness-cosmetic-products)

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# 01

# Introduction

In the pharmaceutical sector, quality, efficacy and safety control is vital to ensure the distribution of products such as cosmetics, in order to avoid possible adverse or undesirable effects on consumers. For this reason, professionals working in this field must know in detail the new developments related to regulatory changes, always adapting to the stipulations of good manufacturing practices. For this reason, choosing this qualification is a unique opportunity to update your knowledge in this field, being able to implement in your practice the most recommended strategies and techniques according to the latest studies in the field of cosmetic pharmacology. All this through 150 hours of the best educational experience 100% online, guided by experts and perfectly compatible with any other professional or work activity.





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*You have before you a versatile and multidisciplinary academic option to update you on the specifications of quality controls, efficacy and safety in the manufacture of cosmetics. Don't let it pass you by”*

Although each country has its own regulations, the truth is that companies engaged in the manufacture and/or distribution of cosmetic products have to go through a series of strict quality controls if they wish to guarantee the viability and commercialization of the product. To this end, they can count on their own departments that are responsible for ensuring the invulnerability and safety of the processes at all times, checking the specifications and the state of the raw materials, the quantities, the side effects, carrying out impact studies, regulating the optimum atmospheric conditions for production, etc.

As this is a sector in constant evolution based on the scientific advances that are constantly occurring in the field of pharmacology, keeping up to date has become a complex task for many professionals. For this reason, having a program such as this Postgraduate Certificate in Quality Control and Effectiveness of Cosmetic Products is, without a doubt, a unique opportunity to update your knowledge in a way that is compatible with your work activity. It is a multidisciplinary and immersive qualification that delves into the intricacies of traceability and safety, focusing also on the importance of efficacy studies and sensory analysis.

For this, the graduate will have 150 hours of the best content, designed by experts in the area and framed in a comfortable, versatile and accessible 100% online format. This includes: theoretical syllabus, case studies, self-knowledge exercises, complementary readings, research articles and dynamic summaries. In conclusion, everything you need to get the most out of an educational experience that will undoubtedly provide you with the most up-to-date information to perfect your professional skills.

This **Postgraduate Certificate in Quality Control and Effectiveness of Cosmetic Products** contains the most complete and up-to-date scientific program on the market.

The most important features include:

- ◆ Practical cases presented by experts in Cosmetic Science and Technology
- ◆ The graphic, schematic, and practical contents with which they are created, provide scientific and practical information on the 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



*Would you like to update your knowledge for good manufacturing practice? Choose this Postgraduate Certificate and get it in less than 6 weeks"*



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*You will have 150 hours of the best theoretical, practical and additional content, which you will be able to access from any device with an internet connection at any time”*

The program’s teaching staff includes professionals from the sector 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 throughout the program. This will be done with the help of an innovative system of interactive videos made by renowned experts.

*A Postgraduate Certificate with which you can work on improving your cosmetovigilance skills based on the latest developments in the sector.*

*In the Virtual Classroom, you will find detailed videos, research articles and complementary readings with which you will be able to expand your knowledge in a personalized way.*



# 02 Objectives

For any company in the cosmetic pharmacology sector, having specialists versed in the area of quality and efficacy control on its staff is a fundamental requirement, which is why this profile is in great demand in today's job market. For this reason, the objective of this qualification is to serve as a guide for the graduate in the updating of their knowledge, as well as in the improvement of their professional skills, providing them with the latest information currently available.







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*TECH's objective is always to guarantee that the most demanding expectations are exceeded by its graduates, through the provision of the best teaching material”*



## General Objectives

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- ◆ Develop a global vision of the manufacturing process of a cosmetic product, from the initial idea to its launching on the market
- ◆ Analyze the processes that take place from the reception of raw materials to their final distribution, as well as the implementation of good manufacturing practices, quality control and validation of the processes, and the different water purification treatments as the main raw material used in the formulation of cosmetics
- ◆ To examine the raw materials used for the development of new cosmetic products
- ◆ Establishing the different ways of formulating cosmetic products





## Specific Objectives

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- ◆ Examine Quality Controls
- ◆ Analyze the importance of GMP in product traceability
- ◆ Perform CPNP discharge processes
- ◆ Perform Safety Assessment
- ◆ Determine the Studies for Safety Assessment
- ◆ Identify Studies for Effectiveness Justification

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*If your objectives include learning in detail about the latest scientific evidence related to the implementation of skin compatibility studies, this program is perfect for you"*



03

# Course Management

TECH gives priority to the constitution of a teaching team versed in the field in which the program is developed, so for this Postgraduate Certificate has selected a group of pharmacy professionals with an extensive curriculum. They are active professionals characterized, in addition to their long and extensive work experience, by their human qualities, aspects that will be reflected in the exhaustiveness and austerity with which the syllabus has been designed and the additional material has been chosen.





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*TECH includes in its programs the possibility of tutorials with the teaching team, so that you can solve your doubts whenever you need it"*

## Management



### Dr. Mourelle Mosqueira, María Lourdes

- ◆ Expert researcher in Cosmetic Science
- ◆ Technical Director at Balcare
- ◆ Researcher of the FA2 group of the Applied Physics Department of the University of Vigo
- ◆ Author of publications on Cosmetic Science
- ◆ Lecturer in undergraduate and graduate programs related to Cosmetic Science
- ◆ President of the Iberoamerican Society of Thalassotherapy
- ◆ Secretary of the Galician Society of Thermal Peloids
- ◆ PhD in Applied Physics, University of Vigo
- ◆ Degree in Pharmacy, University of Santiago de Compostela
- ◆ Diploma in Nutrition and Dietetics, University of Granada

## Professors

### Ms. Aguado Ruiz, Belén

- ◆ Cosmetic Safety Advisor at ABAR Cosmetics
- ◆ Technical Director at Larrosa Laboratorios
- ◆ Quality Department Director at Gaher Química
- ◆ Cosmetic Safety Supervisor at LAB&CLIN ALLIANCE
- ◆ Cosmetics Technical Expert at Bellssan Healthcare
- ◆ International Professional Master's Degree in Toxicology from the Official College of Chemists of Seville
- ◆ Degree in Chemistry from the University of Alcalá de Henares





04

# Structure and Content

This Postgraduate Certificate has been designed by the teaching team taking into account the latest developments related to the cosmetics sector in the pharmacological field, as well as following the strict quality criteria that define TECH. In addition, it includes hours of additional material, with which graduates can deepen their knowledge of the aspects of the syllabus they consider most relevant. This, added to the versatility of its 100% online format, allows the university to offer programs with a very high degree of personalization and adapted to the requirements of each specialist.





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*The syllabus of this program has been developed based on the Relearning methodology, which will save you hours of memorization without sacrificing the quality of the content the quality of the content"*

## Module 1. Quality Control, Effectiveness and Safety in Cosmetics

- 1.1. Quality Controls
  - 1.1.1. Stability and Compatibility
  - 1.1.2. Preservative Efficacy
  - 1.1.3. Controls in Process
- 1.2. Article 19 Cosmetics Regulation Based on Study Results
  - 1.2.1. ISO Definitions for Products Susceptible of Microbiological Risk
  - 1.2.2. Shelf Life and ODP Calculation
  - 1.2.3. Labeling Analysis
- 1.3. Good Manufacturing Practices
  - 1.3.1. Standard Operating Procedures: Manufacturing and Packaging
  - 1.3.2. Third Party Contracts
  - 1.3.3. Hygiene and Personnel Training
- 1.4. Traceability
  - 1.4.1. Standard Operating Procedures: Off-Spec Products
  - 1.4.2. Cosmetovigilance
  - 1.4.3. Product Recalls
- 1.5. Procedures for Registration in the European Portal
  - 1.5.1. Registering the Person in Charge
  - 1.5.2. Cosmetic Product Registration
  - 1.5.3. Framework Formula
- 1.6. Cosmetic Product Safety Report
  - 1.6.1. Regulation 1223/2009: Annex I
  - 1.6.2. Product Dossier
  - 1.6.3. Safety Assessment: Toxicological Profile
- 1.7. Skin Compatibility Studies
  - 1.7.1. Skin, Ocular and Mucosal Compatibility Studies
  - 1.7.2. Labeling Claims
  - 1.7.3. SPF Studies







- 1.8. Cosmetic Effectiveness Studies
  - 1.8.1. Studies on Effectiveness
  - 1.8.2. In vitro-In vivo
  - 1.8.3. Ex Vivo- In Silico
- 1.9. Sensory Analysis
  - 1.9.1. Sensory Analysis Studies
  - 1.9.2. Instrumental Tests
  - 1.9.3. Questionnaires and Assessment Criteria
- 1.10. Claims Regulation
  - 1.10.1. Regulation 655/2013: Common Criteria
  - 1.10.2. Guidelines to Substantiate Claims
  - 1.10.3. "Free" Labeling Claims



*The time has come to make a key decision for your future. Are you betting on a degree that is committed to you and your profession?"*

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, students will be confronted with multiple simulated clinical cases based on real patients, in which they will have to investigate, establish hypotheses and ultimately, resolve the situation. There is an abundance of scientific evidence on the effectiveness of the method. Pharmacists learn better, more quickly 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, attempting to recreate the actual conditions in a pharmacist'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. Pharmacists who follow this method not only grasp concepts, but also develop their mental capacity, by evaluating real situations and applying their knowledge.
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. Students like to feel that the effort they put into their studies is worthwhile. This then translates into a greater interest in learning and more 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.

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.

*Pharmacists will learn through real cases and by solving 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 115,000 pharmacists have been trained with unprecedented success in all clinical specialties, regardless of the surgical load. This pedagogical methodology is developed in a highly demanding environment, with a university student body with a high socioeconomic 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 specialization, 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 (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 created specifically for the course by specialist pharmacists who will be teaching the course, so that the didactic development is highly specific and accurate.

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.



### Video Techniques and Procedures

TECH introduces students to the latest techniques, to the latest educational advances, to the forefront of current pharmaceutical care procedures. All of this, first hand, and explained and detailed with precision to contribute to assimilation and a better understanding. And best of all, you can watch them as many times as you want.



### 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 unique multimedia content presentation training system 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, 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 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 on the usefulness of learning by observing experts. The system known as 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 Quality Control and Effectiveness of Cosmetic Products 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 Quality Control and Effectiveness of Cosmetic Products** 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 Quality Control and Effectiveness in Cosmetics**

Official N° 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  
development language  
virtual classroom



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