Postgraduate Diploma Formulation of Natural Cosmetics



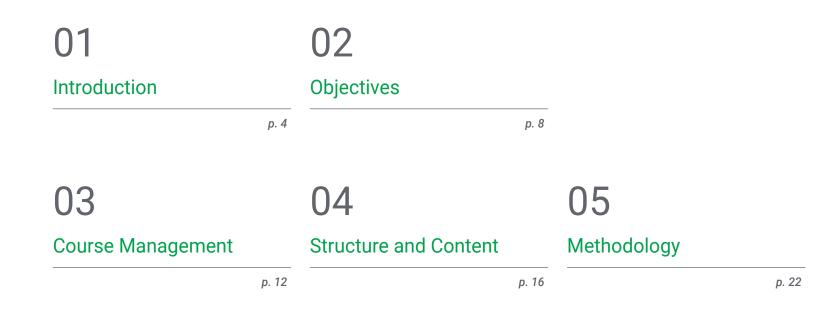


Postgraduate Diploma Formulation of Natural Cosmetics

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

Website: www.techtitute.com/in/pharmacy/postgraduate-diploma/postgraduate-diploma-formuation-natural-cosmetics

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06 Certificate

01 Introduction

The ever-increasing demand for natural and Eco-Friendly cosmetic products has led the pharmaceutical sector to reinvent itself, including materials and ingredients extracted from nature with a very low or non-existent synthetic component. In order to meet the requirements of the market, professionals in this area must know in detail the latest developments related to the raw materials and strategies that are currently obtaining the best results, something they will be able to do in a comfortable, dynamic and exhaustive way with this complete program TECH presents this 100% online program as a unique opportunity for the pharmacist to get up to date without the need to attend classes and with the versatility of being able to adapt the program to their time availability.



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With no strict schedules or classroom classes, you will be able to keep up to date on the latest developments in Formulation of Natural Cosmetics 100% online with this Postgraduate Diploma"

tech 06 | Introduction

Natural Cosmetics is, without a doubt, a growing tendency. Society's increasing concern for skin and body care, related to the use of products that include organic and environmentally friendly ingredients in their production, has been reflected in an increasingly specialized production As a result, it is now possible to find thousands of brands on the market that meet the needs of their customers in a sustainable way.

For this reason, pharmacists specialized in this area need to have a degree with which they can learn in detail the advances that have been made in the inclusion and use of these materials, something they will be able to do thanks to this Postgraduate Diploma. It is a program designed by experts in the sector that includes 450 hours of the best theoretical, practical and additional content.

During the 6 months in which it is developed, the graduate will be able to delve into the novelties of the cutaneous application of cosmetics, as well as to catch up on the strategies and techniques of aromacosmetics and nutricosmetics that are currently obtaining the best results. Finally, there will be a specific module dedicated to product development and manufacturing.

Thanks to its convenient 100% online format, students will be able to access the virtual classroom whenever they want, without schedules or face-to-face classes, and through any device with internet connection, whether it is a PC, tablet or cell phone. In addition, all the content will be available from the beginning of the academic experience and can be downloaded for consultation without coverage, as well as for the specialist to have it available once the program is completed.

This **Postgraduate Diploma in Formulation of Natural Cosmetics** 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



You will delve into to quality control, efficacy and the production of cosmetics through 450 hours of the best theoretical, practical and additional content"

Introduction | 07 tech



Are you going to a place without coverage, but would like to take advantage of it to advance in the program? TECH gives you the possibility to download the entire content on any device, whether mobile, pc or tablet"

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.

If you are looking to improve your skills in cosmetic counseling based on skin analysis, do not hesitate and enroll in this Postgraduate Diploma.

The perfect program to bring you up to date on keratogenesis and melanogenesis and their link to cosmetics.

02 **Objectives**

The increase in demand for natural products, as well as the need for professionals in the pharmaceutical sector to have a program that allows them to know in detail the latest developments in cosmetics, is what TECH has based its decision to develop this Postgraduate Diploma. For this reason, the graduate who decides to enroll in it will find the most exhaustive and innovative information, designed to facilitate the student's knowledge update in a guaranteed way and in less than 6 months.

A program designed to help you achieve your educational experience and, therefore, professional goals in less than 6 months"

tech 10 | Objectives



General Objectives

- To provide the graduate with the most updated information on the formulation of natural cosmetics and their manufacture within the current legislative framework
- To provide the specialist with the most innovative teaching tools that will allow them to achieve their own educational objectives in a guaranteed manner and in the shortest possible time
- To facilitate the implementation in your practice of the pharmaceutical strategies and techniques that are currently obtaining the best results



With this Postgraduate Diploma, you will be able to implement in your pharmaceutical practice the cosmetics formulated with raw materials of natural origin that are currently obtaining the best results"



Specific Objectives

Module 1. Cutaneous Application in Cosmetics

- Identify the different layers of the skin and their morphology
- Determine the weight, thickness and coloration of the skin
- Determine the cutaneous microrelief: skin eminences, cones and orifices
- Determine epidermal and dermal physiology
- Determine and identify the cutaneous adnexa, features and physiology
- Analyze skin functions
- Determine and identify the different skin types and features

Module 2. Natural Cosmetics, Aroma Cosmetics and Nutricosmetics

- Determine the concepts of natural, organic, vegan, marine and thermal cosmetics
- Examine the compounds in plants and develop extraction methods
- Compile the different elements that nature offers to formulate natural cosmetics
- Analyze the phytocosmetic active ingredients available on the market for natural cosmetics formulations
- Develop different types of cosmetic formulations with raw, natural materials
- Develop the concept of Nutricosmetics and analyze the different products on the market

Module 3. Cosmetics Development and Manufacturing

- Analyze the process that a product goes through from its small-scale creation in the laboratory to its production on an industrial scale
- Develop the different raw materials that make up the skeleton of a cosmetic product one at a time
- Examine the plastics or packaging used in the cosmetic industry
- Determine the different operations and basic manufacturing processes of the different cosmetic forms under the UNE-EN-ISO standard: 22716:2008
- Evaluate the different cosmetic forms on the market
- Establish the importance of R&D&I in cosmetic products development; innovation remains key to consumer requirements
- Compile the steps involved in perfume development, essence and subsequent applicability

03 Course Management

Both the direction and the teaching of this University Expert will be led by a group of professionals from the Pharmacy and Chemistry sector with a wide and extensive work experience in the area. These are active professionals who will bring to the program an innovative, current, critical and realistic character, based on their own experience and on their mistakes and successful strategies. It is, therefore, a unique opportunity for graduates to be up to date by experts in the sector committed to their professional growth.

Having the support of a teaching team versed in the industry is another of TECH's ways of guaranteeing you a thorough, comprehensive and highly beneficial educational experience for your professional development"

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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

Dr. Vérez Cotelo, Natalia

- Pharmacist
- Municipal pharmacist inspector in the Department of Health of the Regional Government of Galicia
- Primary Care Pharmacist
- Assistant pharmacist
- Researcher specializing in Pharmaceutical Care
 and Pharmacotherapeutic Follow- pharmacotherapeutic

- Author of several articles published in specialized magazines. Author of Multiple articles published in Specialized journals
- Teacher in university studies of Pharmacy
- PhD in Psychology, UNED
- Degree in Pharmacy, University of Santiago de Compostela

Course Management | 15 tech

Dr. Etxebeste Mitxeltorena, Mikel

- Researcher in the Department of Medicinal Chemistry and Translational Biology of the CIB-CSIC
- Assistant Pharmacist at Juan de Soto Pharmacy
- D. in Pharmacy from the University of Navarra
- Graduated in Pharmacy and Human Nutrition and Dietetics from the University of of Navarra
- Professional Master's Degree in Dermocosmetics and Formulation from the UDIMA University

Dr. Abril González, Concepción

- Chemistry Specialist in Chromatography at Bordas S.A
- Food Products Analyst for foreign trade at the Technical Inspection of Soivre in Seville
- Chromatography Analyst at Agrama Laboratories
- Researcher in the Analytical Chemistry Department at Anquimed
- PhD in Analytical Chemistry, University of Seville
- Professional Master's Degree in Professional Specialization in Pharmacy: Pharmaceutical Industry, University of Seville
- Professional Master's Degree in Cosmetics and Dermopharmacy from the University of Seville
- Professional Master's Degree in Chemisty, University of Seville

04 Structure and Content

For the development of this Postgraduate Diploma, TECH has based the composition of its structure on the criteria of the teaching team, which has been responsible for selecting the information that has subsequently been adapted to the Relearning methodology, in whose use this university is a pioneer. Thanks to this, it has been possible to create a dynamic and intensive program, which guarantees the updating of the program, reducing the teaching load without sacrificing the slightest quality.

The best pi launching of

The best program to keep you up to date on the launching of phytocosmetic active ingredients, as well as the benefits of their use in the production of skin and hair care products"

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Module 1. Cutaneous Application in Cosmetics

- 1.1. Skin. Cosmetics and the Skin Barrier
 - 1.1.1. The Skin: The Cutaneous Border
 - 1.1.2. The Skin Surface: Skin Microclimate and Cosmetics
 - 1.1.3. Skin Protection and Cosmetics
- 1.2. Epidermis: First in Cosmetics Action
 - 1.2.1. Relationship of its structure with alterations of cosmetic interest
 - 1.2.2. Epidermis Cell junctions and Cohesion: Relationship with Cosmetics
 - 1.2.3. The Layers of the Epidermis Relationship with Cosmetics
- 1.3. Dermis and Subcutaneous Cellular Tissue: Second Site of Action of Cosmetics
 - 1.3.1. Dermis. Structure Relation and Physiology with Alterations of Cosmetic Relevance
 - 1.3.2. Fatty subcutaneous cellular tissue Structure Relation and Physiology with Alterations of Cosmetic Relevance
 - 1.3.3. Skin Vascularization and Innervation: Relationship with Cosmetic Alterations
 - 1.3.4. Relationship with Cosmetic Alterations
- 1.4. Keratogenesis and melanogenesis: link to cosmetics
 - 1.4.1. Keratogenesis: Relationship with Alterations of Cosmetic Relevance
 - 1.4.2. Melanogenesis: Relationship with Alterations of Cosmetic Relevance 1.4.2.1. Melanins. Relevance to skin protection
- 1.5. Sebaceous and sweat glands: link to cosmetics
 - 1.5.1. Sebaceous Glands: Structure Relation and Physiology with Alterations of Cosmetic Relevance
 - 1.5.2. Sweat Glands: Structure Relation and Physiology with Alterations of Cosmetic Relevance
 - 1.5.3. Skin Secretions: Relationship with Cosmetic Application



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- 1.6. Hair: Relationship with Cosmetics
 - 1.6.1. Hair Structure and Chemistry: Relationship with Cosmetic Application
 - 1.6.2. Hair and Hair Physiology Relationship with Cosmetic Hair Treatments
 - 1.6.3. Hair Renewal Cycles. Relationship with Cosmetic Hair Treatments
- 1.7. Nails: Relation to Cosmetics
 - 1.7.1. Nail Anatomy and Physiology: Relation to Cosmetic Application
 - 1.7.2. The Nail Plate: Relationship with Cosmetic Application
 - 1.7.3. Factors that Affect Nail Growth: Relationship with Cosmetic Nail Treatments
- 1.8. Cutaneous Functions: Relationship with Cosmetics
 - 1.8.1. Functions of the Skin. Relationship with Cosmetic Application
 - 1.8.2. The Skin Barrier and Skin Protection
 - 1.8.3. Cutaneous Microbiota and Its Importance in Cosmetic Care
- 1.9. Skin Typology and Cosmetic Advice
 - 1.9.1. Skin Type Classification according to Epicutaneous Emulsion Cosmetic Advice
 - 1.9.1.1. Eudermic Skin
 - 1.9.1.2. Dry Skin
 - 1.9.1.3. Oily Skin
 - 1.9.2. Other Skin Types: Cosmetic Advice
 - 1.9.3. Factors that Affect Skin Condition
 - 1.9.4. Skin according to Sex and Ethnicity
 - 1.9.5. Skin during Pregnancy
 - 1.9.6. Skin in the Elderly
- 1.10. Skin Permeability: Relation to Cosmetic Penetration
 - 1.10.1. Percutaneous Absorption
 - 1.10.2. The Corneal Barrier
 - 1.10.3. Cutaneous Penetration Routes
 - 1.10.4. Topical Substance Penetration
 - 1.10.5. Factors that Affect Penetration
 - 1.10.6. Mechanisms that Promote Penetration

Module 2. Natural Cosmetics, Aroma Cosmetics and Nutricosmetics

- 2.1. Natural Cosmetics
 - 2.1.1. Natural Cosmetics vs. Conventional Cosmetics
 - 2.1.2. Reasons to Choose Natural Cosmetics
 - 2.1.3. Ecological Benefits of Natural Cosmetics
 - 2.1.4. Safety of Natural Cosmetic Ingredients
- 2.2. Ingredients for Natural and Organic Cosmetics
 - 2.2.1. Vegetable Oils and Butters
 - 2.2.2. Emulsifiers
 - 2.2.3. Vitamins
 - 2.2.4. Preservatives and Perfumes
- 2.3. Extraction Methods for Natural Cosmetics
 - 2.3.1. Hydroalcoholic Extracts
 - 2.3.2. Oleomacerates
 - 2.3.3. Glycerin Extracts
 - 2.3.4. Aqueous Extracts
 - 2.3.5. Plants Extracts for Natural Cosmetics
- 2.4. Phytocosmetic Active Ingredients
 - 2.4.1. Natural Water-Soluble Active Ingredients
 - 2.4.2. Natural Liposoluble Active Ingredients
 - 2.4.3. Clays
- 2.5. Essential Oils and Aromatherapy
 - 2.5.1. Essential oils and essences
 - 2.5.2. Extraction Methods for Essential Oils
 - 2.5.3. Chemotype
 - 2.5.4. Essential Oils of Major Cosmetic Relevance
 - 2.5.5. Hydrolats
- 2.6. Thermal and Marine Cosmetics
 - 2.6.1. Thermal Cosmetics
 - 2.6.2. Marine Cosmetics
 - 2.6.3. Marine Active Ingredients
 - 2.6.4. Sands, Salts, Algae, Microalgae and Marine Plants

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- 2.7. Solid Natural Cosmetics
 - 2.7.1. Solid Cosmetics
 - 2.7.2. Solid Soaps, Shampoos and Conditioners
 - 2.7.3. Creams in Solid Form
- 2.8. Specific Regulations to Develop Natural Cosmetics
 - 2.8.1. Existing Legislation on Natural Cosmetics
 - 2.8.2. Natural Cosmetics Certifications
 - 2.8.3. Vegan Cosmetics
- 2.9. Natural and Organic Cosmetics Formulation
 - 2.9.1. Micellar Water Formulation
 - 2.9.2. Emulsion Formulation
 - 2.9.3. Gel Formulation
 - 2.9.4. Soap and Shampoo Formulation
- 2.10. Nutricosmetics
 - 2.10.1. Nutricosmetics and nutritional supplements for the skin
 - 2.10.2. Benefits of Nutricosmetics
 - 2.10.3. Safety in Nutricosmetics Consumption
 - 2.10.4. Main Active Ingredients in and Types of Nutricosmetics

Module 3. Cosmetics Development and Manufacturing

- 3.1. The Cosmetic Industry
 - 3.1.1. The Cosmetics Industry Sector
 - 3.1.2. Briefing or initial idea
 - 3.1.3. Laboratory to Pilot Testing
- 3.2. Cosmetic Product Manufacturing Processes
 - 3.2.1. Manufacturing and Subsequent Quality Control
 - 3.2.2. Packaging, Conditioning and Labeling
 - 3.2.3. Storage and Distribution

- 3.3. Raw Materials for Cosmetics Manufacturing
 - 3.3.1. Water Used in the Cosmetic Industry
 - 3.3.2. Antioxidants and Preservatives
 - 3.3.3. Moisturizers, Emulsifiers, Silicones and Polymers
- 3.4. Cosmetic Packaging
 - 3.4.1. Materials
 - 3.4.2. Trends in Cosmetic Packaging
 - 3.4.3. Packaging for Children's Cosmetics
- 3.5. Manufacturing Operations and Processes in Different Cosmetic Forms
 - 3.5.1. Good Manufacturing Practices for Cosmetic Products UNE-EN-ISO: 22716:2008
 - 3.5.2. Formulations Prior to Cosmetic Development
 - 3.5.3. Prototypes Preparation and Formulation Examples
- 3.6. R&D in Cosmetic Product Development
 - 3.6.1. New Cosmetic Forms
 - 3.6.2. TOP Cosmetic Ingredients
 - 3.6.3. New Plant-Derived Ingredients
- 3.7. Solution, Suspension and Emulsion Preparation
 - 3.7.1. Textures
 - 3.7.2. Aqueous, Micellar and Oily Solutions
 - 3.7.3. Suspensions and Emulsions
 - 3.7.4. Gels and Cremigels
- 3.8. Solid and Semi-Solid Cosmetics Preparation
 - 3.8.1. Sustainability and Practicality
 - 3.8.2. Sensoriality and Efficiency: New Formats3.8.2.1. Soaps and Syndets3.8.2.2. Ointments and Salves
 - 3.8.3. Loose Powder vs. Compact: Uses



Structure and Content | 21 tech

- 3.9. Other Cosmetic Forms and Substrates
 - 3.9.1. Aerosols
 - 3.9.2. Foams
 - 3.9.3. Single Doses
 - 3.9.3.1. Mask Tissue
 - 3.9.3.2. Impregnated Wipes
- 3.10. Perfume Manufacturing
 - 3.10.1. Perfume: background
 - 3.10.2. Raw Material Origin, Composition and Application
 - 3.10.3. Alcoholic Fine Perfumery
 - 3.10.4. IFRA Standards

666 Don't think twice and bet for a degree that will guarantee you the improvement of your professional skills based on the requirements of the current market"

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"

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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.

 Patient
 Optimal decision

 Patient
 Clinical

 Data
 Data

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.

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.
- 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.



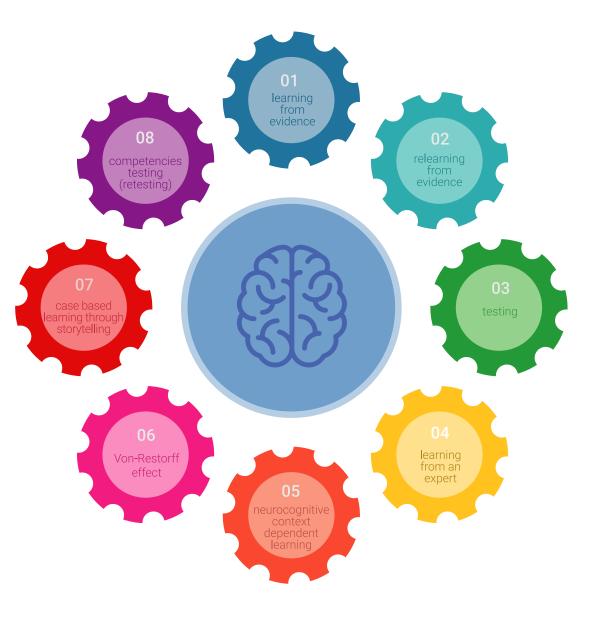
tech 26 | Methodology

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.



Methodology | 27 tech

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.



tech 28 | Methodology

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.

20%

15%

3%

15%

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.

20%

7%

3%

17%



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.



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 Diploma in Formulation of Natural Cosmetics guarantees students, in addition to the most rigorous and up-to-date education, access to a Postgraduate Diploma 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"

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This **Postgraduate Diploma in Formulation of Natural Cosmetics** 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 Diploma** issued by **TECH Technological University** via tracked delivery*.

The certificate issued by **TECH Technological University** will reflect the qualification obtained in the Postgraduate Diploma, and meets the requirements commonly demanded by labor exchanges, competitive examinations, and professional career from evaluation committees.

Title: Postgraduate Diploma in Formulation of Natural Cosmetics Official N° of hours: 450 h.



technological university Postgraduate Diploma Formulation of Natural Cosmetics » Modality: online » Duration: 6 months » Certificate: TECH Technological University » Dedication: 16h/week » Schedule: at your own pace » Exams: online

Postgraduate Diploma Formulation of Natural Cosmetics

