

# Postgraduate Certificate

## Skin Diagnosis Applied to Cosmetics





## Postgraduate Certificate Skin Diagnosis Applied to Cosmetics

- » Modality: online
- » Duration: 12 weeks
- » Certificate: TECH Technological University
- » Dedication: 16h/week
- » Schedule: at your own pace
- » Exams: online

Website: [www.techtute.com/us/medicine/postgraduate-certificate/skin-diagnosis-applied-cosmetics](http://www.techtute.com/us/medicine/postgraduate-certificate/skin-diagnosis-applied-cosmetics)

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# 01

# Presentation

The skin, besides being the largest organ of the human body, is also the most exposed to different types of affections, which is why in order to prevent and, failing that, treat a dermatological problem, it is necessary to know the due process of diagnosis, which allows to identify the origin of the problem and its subsequent treatment with cosmetic products. That is why to offer a focused diagnostic update applied to cosmetics, TECH has designed this program in order to identify the main discovery tools and sample medical tests. Thanks to its 100% online format, the specialist will not have to neglect any aspect of their personal life, being able to download all the content for further study whenever and wherever they wish.



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*Carrying out a correct diagnosis is essential in the solution of dermatological problems, so with this certificate you will identify the main tools and methods updated in the cosmetic field"*

Over the last few years, the techniques and methods for a correct diagnosis have been changing, so the medical professional has to know the latest updates in terms of analyzing samples, collating information and taking tests. This is why it is necessary to delve deeper into diagnostics, since in the future they will provide more answers to possible medical solutions.

In addition to this, the professional will be able to identify new tools that will allow them to provide solutions to the patient's needs, starting from a first assessment and knowing the future pathologies that may develop. To this extent, diagnosis becomes important, since it is the starting point for the correct development and treatment of the disease.

However, when it comes to skin conditions, a correct diagnosis can lead to a treatment based on cosmetics or with a strong support on them. This is why it is necessary for specialists from various branches to update their knowledge in this specialty, since advances in cosmetic guidelines for nails and hair represent a differential component when it comes to prescribing a cosmetic treatment.

Thus, this TECH Postgraduate Certificate has arisen, which provides medical professionals with the latest knowledge on skin permeability of cosmetics, acne, stretch marks and other conditions of special interest. The program takes in a comfortable and accessible 100% online format. In addition, the physician will be supported by a specialized teaching staff in the area, who will be available whenever needed, in order to resolve doubts and to resolve doubts and concerns as the program develops. It is, therefore, a unique opportunity to work on perfecting your professional skills through an austere, dynamic, multidisciplinary degree program adapted to your academic needs.

This **Postgraduate Certificate in Skin Diagnosis Applied to 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 the self-assessment process can be carried out to improve learning
- ♦ 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 update your knowledge alongside knowledgeable experts in the field with more than 10 years of experience in the cosmetic sector"*

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*This Postgraduate Certificate will provide you with the necessary tools for a correct skin diagnosis, applying the best cosmetic products to solve the problem"*

*A 100% online program, which will allow you to manage your time and exercise the development of the Postgraduate Certificate following the schedule that best suits you.*

*This Postgraduate Certificate is the best option for you, since you will find unpublished information about skin diagnostic processes.*

The program includes, in its teaching staff, professionals from the sector who bring to this program the experience of their work, in addition to recognized specialists from prestigious reference societies and 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 student will be assisted by an innovative interactive video system created by renowned and experienced experts.



# 02 Objectives

The main objective of TECH for this particular Postgraduate Certificate is to provide medical professionals with the necessary tools to medical professionals for a correct diagnosis of consultations for skin alterations. In this way, the professional will receive the latest industry updates to quickly and safely identify the possible conditions that affect the patient, as well as identify the possible solutions and cosmetic products to be used.







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*A program tailored to your needs so that you can make quick diagnoses and provide solutions to the patient”*



## General Objectives

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- ♦ Identify skin alterations affecting keratinization, sebaceous secretion, vascularization and pigmentation
- ♦ Identify the alterations produced by aging
- ♦ Identifying hair and scalp disorders
- ♦ Identify the alterations of the oral cavity



*A program designed for a professional like you, who wants to acquire the latest knowledge in terms of diagnosis”*





## Specific Objectives

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- ♦ 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
- ♦ Identify alterations in keratinization
- ♦ Determine sebaceous secretion alterations
- ♦ Determine pigmentation disorders
- ♦ Specify cutaneous aging process alterations
- ♦ Introduce hair and scalp alterations
- ♦ Determine oral cavity dysfunctions and problems



# 03

## Course Management

TECH, in its academic commitment to have the best professionals, has selected the best active faculty for this program. Knowledgeable experts in skin diagnostics applied to cosmetics, ready to engage in conversation with physicians. This is why the physician in the program will not only have assertive communication, but will also be able to express his or her concerns during the course of the program and receive answers to their deepest concerns from the specialists.



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*A teaching faculty waiting to share their knowledge with you, which will help you to clarify concepts and reinforce positions for a correct medical diagnosis of the skin"*

## 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 Pharmaceutical Inspector, advice de Sanidad, Xunta de Galicia
- ◆ Primary Care Pharmacist
- ◆ Assistant pharmacist
- ◆ Researcher specializing in Pharmaceutical Care and Pharmacotherapeutic Follow-up
- ◆ Author of several articles published in specialized magazines. Author of Multiple articles published in Specialised journals
- ◆ Teacher in university studies of Pharmacy
- ◆ PhD in Psychology, UNED.
- ◆ Degree in Pharmacy, University of Santiago de Compostela



*A unique, key, and decisive educational experience to boost your professional development”*

# 04

## Structure and Content

In its fervent desire to offer educational excellence, TECH together with its teaching staff has designed the syllabus of this Postgraduate Certificate, which is enriched with methods, techniques and first-hand information. In addition to this the medical professional will be able to access all the content of the program through any mobile device and review it whenever they need to revise a concept. Likewise, the professional will have access 24 hours a day, so there will be no possibility of enforced downtime.





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*A demanding syllabus that will bring out all your potential and will allow you to make more effective diagnoses of skin disorders"*

## Module 1. Cutaneous Application in Cosmetics

- 1.1. Skin: Cosmetics and the Skin Barrier
  - 1.1.1. 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. Structure Relation with Alterations of Cosmetic Relevance
  - 1.2.2. Epidermis Cell junctions and Cohesion: Relation to Cosmetics
  - 1.2.3. Epidermis Layers: Relation to Cosmetics
- 1.3. Dermis and Subcutaneous Cellular Tissue: Second in Cosmetics Action
  - 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. Link to Cosmetic Alterations
- 1.4. Keratogenesis and Melanogenesis: Relation 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. Melanin Relevance to Skin Protection
- 1.5. Sebaceous and Sweat Glands: Relation 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
- 1.6. Hair: Relation to Cosmetics
  - 1.6.1. Hair Structure and Chemistry: Relationship with Cosmetic Application
  - 1.6.2. Hair Physiology: Relationship with Cosmetic capillary Treatments
  - 1.6.3. Hair Renewal Cycles: Relationship with Cosmetic capillary Treatments
- 1.7. Nails: Relationship with Cosmetics
  - 1.7.1. Nail Anatomy and Physiology: Relationship with 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: Relation to 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: Relationship with 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. Skin Alterations in Cosmetics

- 2.1. Keratinization Disorders
  - 2.1.1. Diffuse and Regional Hyperkeratosis
  - 2.1.2. Squamous Keratoses
  - 2.1.3. Preepitheliomatous Keratoses
  - 2.1.4. Warts
  - 2.1.5. Circumscribed Keratosis
  - 2.1.6. Dermatitis and Eczemas
- 2.2. Sebaceous Secretion Alterations
  - 2.2.1. Seborrhea
  - 2.2.2. Acne
    - 2.2.2.1. Types of Lesions
    - 2.2.2.2. Mechanism of Acne Production
    - 2.2.2.3. Factors that Aggravate Acne
    - 2.2.2.4. Types of Acne
- 2.3. Microvascularization Alterations
  - 2.3.1. Eritemas
  - 2.3.2. Telangiectasias
  - 2.3.3. Rosacea and Couperose
  - 2.3.4. Varicose Veins and Microvaricose Veins
  - 2.3.5. Angiomas
- 2.4. Pigmentary Alterations
  - 2.4.1. Hyperchromias
    - 2.4.1.1. Melasma
    - 2.4.1.2. Lentigos
    - 2.4.1.3. Nevi or Moles
    - 2.4.1.4. Ephelides
    - 2.4.1.5. Senile Pigmentations
    - 2.4.1.6. Hyperchromia due to Photosensitization
  - 2.4.2. Achromias
  - 2.4.3. Hypochromias
    - 2.4.3.1. Vitiligo
    - 2.4.3.2. Eccematides
    - 2.4.3.3. Hypomelanosis Guttata
- 2.5. Skin aging
  - 2.5.1. General Visible Changes
  - 2.5.2. Histological Changes
  - 2.5.3. Causes of Skin Aging
  - 2.5.4. Photoaging
  - 2.5.5. Skin Phototypes
- 2.6. Body Alterations in Connective and Subcutaneous Tissues
  - 2.6.1. Overweight and Obesity
  - 2.6.2. Stretch Marks
  - 2.6.3. Flaccidity
  - 2.6.4. Elastosis
- 2.7. Body Alterations related to Microvascularization
  - 2.7.1. Cellulite
    - 2.7.1.1. The way they are formed
    - 2.7.1.2. Features
    - 2.7.1.3. Evolution
    - 2.7.1.4. Types of Cellulite
    - 2.7.1.5. Diagnosis
    - 2.7.1.6. Factors that Trigger the Disease
  - 2.7.2. Heavy Legs

- 2.8. Hair Quantity Alterations
  - 2.8.1. Hypotrichosis
  - 2.8.2. Hypertrichosis
  - 2.8.3. Hirsutism
- 2.9. Scalp and Hair Alterations
  - 2.9.1. Scalp Alterations
    - 2.9.1.1. Seborrhea
    - 2.9.1.2. Dehydration
    - 2.9.1.3. Pityriasis
  - 2.9.2. Hair Alterations
    - 2.9.2.1. Structural Hair Alterations
    - 2.9.2.2. Chromatic Hair Alterations
  - 2.9.3. Alopecia
- 2.10. Oral Cavity Dysfunctions and Problems
  - 2.10.1. Cavities
  - 2.10.2. Gingivitis and Periodontitis
  - 2.10.3. Xerostomia
  - 2.10.4. Oral and Dental Hygiene





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*Enroll now in this certificate and do not miss the opportunity to be part of an academic experience that will update both your knowledge and your skills”*

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"*

## At TECH we use the Case Method

What should a professional do in a given situation? Throughout the program, students will face multiple simulated clinical cases, based on real patients, in which they will have to do research, establish hypotheses, and ultimately resolve the situation. There is an abundance of scientific evidence on the effectiveness of the method. Specialists learn better, faster, and more sustainably over time.

*With TECH you will experience a way of learning that is shaking the foundations of traditional universities around the world.*



According to Dr. Gérvas, the clinical case is the annotated presentation of a patient, or group of patients, which becomes a "case", an example or model that illustrates some peculiar clinical component, either because of its teaching power or because of its uniqueness or rarity. It is essential that the case is based on current professional life, trying to recreate the real conditions in the physician'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. Students who follow this method not only achieve the assimilation of concepts, but also a development of their mental capacity, through exercises that evaluate real situations and the application of 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.

This university is the first in the world to combine the study of clinical cases with a 100% online learning system based on repetition, combining a minimum of 8 different elements in each lesson, a real revolution with respect to the mere study and analysis of cases.

*Professionals will learn through real cases and by resolving complex situations in simulated learning environments. These simulations are developed using state-of-the-art software to facilitate immersive learning.*



At the forefront of world teaching, the Relearning method has managed to improve the overall satisfaction levels of professionals who complete their studies, with respect to the quality indicators of the best online university (Columbia University).

With this methodology, more than 250,000 physicians have been trained with unprecedented success in all clinical specialties regardless of surgical load. Our pedagogical methodology is developed in a highly competitive environment, with a university student body with a strong socioeconomic profile and an average age of 43.5 years old.

*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 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.



#### Surgical Techniques and Procedures on Video

TECH introduces students to the latest techniques, the latest educational advances and to the forefront of current medical techniques. All of this in direct contact with students and explained in detail so as to aid their assimilation and understanding. And best of all, you can watch the videos as many times as you like.



#### Interactive Summaries

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

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



#### Additional Reading

Recent articles, consensus documents and international guidelines, among others. In TECH's virtual library, students will have access to everything they need to complete their course.





#### Expert-Led Case Studies and Case Analysis

Effective learning ought to be contextual. Therefore, TECH presents real cases in which the expert will guide students, focusing on and solving the different situations: a clear and direct way to achieve the highest degree of understanding.



#### Testing & Retesting

We periodically evaluate and re-evaluate students' knowledge throughout the program, through assessment and self-assessment activities and exercises, so that they can see how they are achieving their goals.



#### Classes

There is scientific evidence 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 Skin Diagnosis applied to Cosmetics 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 Skin Diagnosis applied to 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 Certificate** issued by **TECH Technological University** via tracked delivery\*.

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

Title: **Postgraduate Certificate in Skin Diagnosis applied to Cosmetics**

Official N° of hours: **300 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



## Postgraduate Certificate Skin Diagnosis Applied to Cosmetics

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