

Postgraduate Certificate

Phytotherapy and Herbal Medicines





Postgraduate Certificate Phytotherapy and Herbal Medicines

- » Modality: online
- » Duration: 6 weeks
- » Certificate: TECH Global University
- » Accreditation: 4 ECTS
- » Schedule: at your own pace
- » Exams: online

Website: www.techtute.com/us/medicine/postgraduate-certificate/phytotherapy-herbal-medicines

Index

01

Introduction

p. 4

02

Objectives

p. 8

03

Course Management

p. 12

04

Structure and Content

p. 16

05

Study Methodology

p. 20

06

Certificate

p. 30

01

Introduction

Phytotherapy plays an important role in the treatment of chronic or degenerative disorders. More and more patients are turning to this millenary tradition as an alternative to conventional pharmacological treatments to avoid side effects. The benefits of using medicinal plants are multiple. For example, since they do not contain synthetic chemicals, treatments are less invasive. In turn, these components are easily accessible and this contributes to their availability. In this sense, physicians must update their contents to achieve greater precision in advising the public. For this reason, TECH implements a program for experts to incorporate the latest evidence on phytotherapeutic products into their practice. And all in a 100% online format.



“

You will master botanical nomenclature thanks to this innovative Postgraduate Certificate and TECH's exclusive 100% online methodology”

In ancient Egypt, medicinal herbs were used to treat various ailments. An example of this is the Ebers papyrus, which contains numerous recipes based on plants to alleviate digestive problems. Similarly, plant-based drugs are nowadays useful for users with serious illnesses and severe pain. This is the case of artemisinin, used in malaria treatments. In view of this, professionals need to keep up to date on Phytotherapy and the latest scientific findings.

In this context, TECH is developing a university program that will provide a complete update to specialists. The academic itinerary will dynamically delve into aspects such as the process of cultivation, harvesting, processing and conservation of medicinal plants. In addition, the materials will delve into the European regulation of these preparations, thereby guaranteeing their legality and encouraging and promoting the ethical values of the health profession.

Moreover, the methodology is delivered 100% online in order to adapt to the schedules of busy experts. Likewise, the syllabus is based on the revolutionary Relearning method. This teaching system, of which TECH is a pioneer, is based on learning based on repetition. In this way, teaching is natural and progressive throughout the course. As a result, pharmacists do not have to make the extra effort of memorizing.

In addition, the program has a library full of multimedia resources (including interactive summaries, explanatory videos, complementary readings and infographics). In this way, students will nourish their knowledge with the most complete and up-to-date materials on the educational market. In this line, they will be supported at all times by a teaching staff that will help them acquire new skills that will give them a competitive advantage to stand out in the medical sector.

This **Postgraduate Certificate in Phytotherapy and Herbal Medicines** contains the most complete and up-to-date scientific program on the market. The most important features include:

- ♦ Practical case studies are presented by experts in Phytotherapy
- ♦ The graphic, schematic and practical contents with which it is conceived provide scientific and practical information on those disciplines that are essential for professional practice
- ♦ Practical exercises where the self-assessment process can be carried out 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 achieve your objectives thanks to TECH's didactic tools, including explanatory videos and interactive summaries"

“

This program will bring you up-to-date on the regulation of the European market for medicinal plant preparations”

You will have access to a library full of multimedia resources in different audiovisual formats.

Analyzes the impact of drug recognition on the quality of phytotherapeutic products.

The program's teaching staff includes professionals from the sector who contribute their work experience to this specializing 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 course. For this purpose, students will be assisted by an innovative interactive video system created by renowned and experienced experts.



02 Objectives

The main objective of this program is to update the knowledge of pharmacists in Phytotherapy based on cutting-edge teaching content and up-to-date with the latest scientific findings on Phytotherapy and Herbal Medicines. In this way, at the end of this program, the graduates will have increased their competences and skills for the indication and counseling of phytotherapeutic products with maximum guarantees. A unique opportunity that only TECH, the world's largest online university, can offer.



“

Hone your skills in advising on phytotherapeutic products based on the latest scientific evidence provided by this program”



General Objectives

- Define the therapeutic limits of Phytotherapy and identify the cases in which it can be used safely
- Describe the use of Phytotherapy oriented to the satisfaction of the needs derived from the patient's health problems and the prevention of complications, guaranteeing a safe and quality practice
- Solve cases related to the field of phytotherapy
- Explain the use and indication of medical devices, food supplements and/or drugs, assessing the expected benefits and associated risks
- Apply theoretical knowledge in daily practice



Update your knowledge on the techniques used for the cultivation, harvesting, processing and preservation of medicinal plants"





Specific Objectives

- Define what a drug is and distinguish it from an active ingredient
- Explain the protocols for drug recognition
- Define the main chemical groups of active ingredients, which are responsible for the effects of drugs and, by extension, of plants
- Explain techniques for the cultivation, collection, processing and conservation of medicinal plants
- Identify botanical nomenclature and species citation
- Classify plant groups according to current regulations
- Define the medicinal utility of mushrooms.
- Explain the legislation and regulation in relation with Phytotherapy

03

Course Management

The programs found at TECH always have the support of professionals at the highest level and recognition in their field. In this way, the teachers who deliver this Postgraduate Certificate have provided the teaching material with all the competences and skills that the pharmacist needs to be up to date in the involvement of Phytotherapy. In addition, the graduate is guaranteed access to content that is adapted to the real needs of the professional in this sector.





“

You will have access to a syllabus designed by a renowned teaching staff, which will guarantee you a successful learning process"

Professors

Dr. Güemes Heras, Jaime

- ♦ Director of the Botanical Garden of Valencia
- ♦ Biologist and Botany Expert
- ♦ Curator of the Botanical Garden, Cavanilles Institute of Biodiversity and Evolutionary Biology in Valencia
- ♦ President of the Ibero-Macaronesian Association of Botanic Gardens
- ♦ President of the Spanish Society of Plant Conservation Biology
- ♦ PhD in Biology
- ♦ Author of more than a dozen books and chapters related to biology and botany
- ♦ Scientist that named 31 new species for science in the International Plant Names Index

Dr. Soriano Guarinos, Pilar

- ♦ Researcher at the Germplasm Bank of the Botanical Garden of the University of Valencia
- ♦ Professor of the Department of Botany at the Faculty of Pharmacy of the University of Valencia
- ♦ Researcher at the Cavanilles Institute of Biodiversity and Evolutionary Biology
- ♦ Doctor of Pharmacy
- ♦ Author of dozens of scientific articles related to Botany

Ms. Izquierdo Palomares, Rosa

- ♦ Private Pharmacy Manager in Customer Service and the Elaboration of Magistral Formulas
- ♦ Head of Industrial Hygiene and Ergonomics at Unión de Mutuas
- ♦ Prevention Technician Specialist in Industrial Hygiene at Unión de Mutuas
- ♦ Degree in Community Pharmacy from the University of Valencia
- ♦ Master's Degree in Industrial Hygiene and Occupational Health

Ms. Buendía Sánchez, Esmeralda

- ♦ Technical Pharmaceutical Director Arkopharma Laboratories
- ♦ Director of the Scientific Department, Arkopharma, S.A.
- ♦ Author of *"El hipérico en el tratamiento de la depresión"* (Hypericum in the treatment of depression) and co-author of several publications
- ♦ Specialist in Pharmacy

Dr. Palomino Ruiz-Poveda, Olga

- ♦ Expert in Pharmacology and Pharmacognosy and Botany and scientific researcher
- ♦ Professor of the Department of Pharmacology in the Faculty of Pharmacy of the Complutense University of Madrid
- ♦ Records Technician at Arkopharma
- ♦ Doctor of Pharmacy
- ♦ Member of the Committee on Herbal Medicinal Products (HMPC) of the European Medicines Agency.



Ms. Ibars Almonacil, Ana

- ◆ Biologist at the Cavanilles Institute of Biodiversity and Evolutionary Biology
- ◆ Teacher in the area of Botany and Geology at the University of Valencia
- ◆ Co-author of the book *Ferns of the Valencian Community*
- ◆ Member of: Cavanilles Institute of Biodiversity and Evolutionary Biology, CBiBE Research Lab and Scientific Committee of the SEFIT Conference: Phytotherapy in metabolic syndrome

Dr. García-Fontestad, Gema Alejandra

- ◆ Independent Pharmacist and Expert in Chemical Morphophysiology and its impact on health
- ◆ Pharmacist in pharmacy office
- ◆ Writer at Farma13
- ◆ PhD in Pharmacy from CEU Cardenal Herrera University
- ◆ Author of dozens of research articles related to the pharmacological field

Dr. Bejarano, María

- ◆ Associate Pharmacist in Pharmacy Office at LKN Strategies Inc.
- ◆ Trainer and promoter at LKN life
- ◆ EFG promoter trainer at Markefarm SL
- ◆ Pharmacist in pharmacy office
- ◆ Doctor of Pharmacy. CEU Cardenal Herrera University
- ◆ Degree in Histology Botanical Garden of the University of Valencia
- ◆ Degree in Pharmacy. University of Valencia

04

Structure and Content

The Postgraduate Certificate in Phytotherapy and Herbal Medicines includes a complete syllabus developed by the best experts in Medicine. In this way, students will have at their disposal the most exhaustive information on the process of cultivation, collection, processing and conservation of natural plants and the recognition of Herbal Medicines. The qualification is a unique experience, which will stimulate professionals to keep abreast of the latest developments in this field.





“

*This program offers you all the ways in which
Phytotherapy works through a compilation of
innovative teaching materials”*

Module 1. Phytotherapy and Herbal Medicines

- 1.1. Phytotherapy: Definition and Scope of Application
- 1.2. Legislation and Registration of Herbal Medicines in Spain BORRAR
- 1.3. Regulation of the European Market for Medicinal Herbal Preparations: Legal Regulations and Scope of Application
- 1.4. Current Classification of Plant Groups
- 1.5. Botanical Nomenclature and the Citation of Species in Phytotherapy
- 1.6. Cultivation, Collection, Processing and Preservation of Medicinal Plants
- 1.7. Plant Structure
- 1.8. Plant-Based Drugs: Impact of Drug Recognition on the Quality of Phytotherapeutic Products





“

TECH's learning system follows the highest international quality standards"

05

Study Methodology

TECH is the world's first university to combine the **case study** methodology with **Relearning**, a 100% online learning system based on guided repetition.

This disruptive pedagogical strategy has been conceived to offer professionals the opportunity to update their knowledge and develop their skills in an intensive and rigorous way. A learning model that places students at the center of the educational process giving them the leading role, adapting to their needs and leaving aside more conventional methodologies.



“

TECH will prepare you to face new challenges in uncertain environments and achieve success in your career”

The student: the priority of all TECH programs

In TECH's study methodology, the student is the main protagonist.

The teaching tools of each program have been selected taking into account the demands of time, availability and academic rigor that, today, not only students demand but also the most competitive positions in the market.

With TECH's asynchronous educational model, it is students who choose the time they dedicate to study, how they decide to establish their routines, and all this from the comfort of the electronic device of their choice. The student will not have to participate in live classes, which in many cases they will not be able to attend. The learning activities will be done when it is convenient for them. They can always decide when and from where they want to study.

“

*At TECH you will NOT have live classes
(which you might not be able to attend)”*



The most comprehensive study plans at the international level

TECH is distinguished by offering the most complete academic itineraries on the university scene. This comprehensiveness is achieved through the creation of syllabi that not only cover the essential knowledge, but also the most recent innovations in each area.

By being constantly up to date, these programs allow students to keep up with market changes and acquire the skills most valued by employers. In this way, those who complete their studies at TECH receive a comprehensive education that provides them with a notable competitive advantage to further their careers.

And what's more, they will be able to do so from any device, pc, tablet or smartphone.

“

TECH's model is asynchronous, so it allows you to study with your pc, tablet or your smartphone wherever you want, whenever you want and for as long as you want”

Case Studies and Case Method

The case method has been the learning system most used by the world's best business schools. Developed in 1912 so that law students would not only learn the law based on theoretical content, its function was also to present them with real complex situations. In this way, they could make informed decisions and value judgments about how to resolve them. In 1924, Harvard adopted it as a standard teaching method.

With this teaching model, it is students themselves who build their professional competence through strategies such as Learning by Doing or Design Thinking, used by other renowned institutions such as Yale or Stanford.

This action-oriented method will be applied throughout the entire academic itinerary that the student undertakes with TECH. Students will be confronted with multiple real-life situations and will have to integrate knowledge, research, discuss and defend their ideas and decisions. All this with the premise of answering the question of how they would act when facing specific events of complexity in their daily work.



Relearning Methodology

At TECH, case studies are enhanced with the best 100% online teaching method: Relearning.

This method breaks with traditional teaching techniques to put the student at the center of the equation, providing the best content in different formats. In this way, it manages to review and reiterate the key concepts of each subject and learn to apply them in a real context.

In the same line, and according to multiple scientific researches, reiteration is the best way to learn. For this reason, TECH offers between 8 and 16 repetitions of each key concept within the same lesson, presented in a different way, with the objective of ensuring that the knowledge is completely consolidated during the study process.

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.



A 100% online Virtual Campus with the best teaching resources

In order to apply its methodology effectively, TECH focuses on providing graduates with teaching materials in different formats: texts, interactive videos, illustrations and knowledge maps, among others. All of them are designed by qualified teachers who focus their work on combining real cases with the resolution of complex situations through simulation, the study of contexts applied to each professional career and learning based on repetition, through audios, presentations, animations, images, etc.

The latest scientific evidence in the field of Neuroscience points to the importance of taking into account the place and context where the content is accessed before starting a new learning process. Being able to adjust these variables in a personalized way helps people to remember and store knowledge in the hippocampus to retain it in the long term. This is a model called Neurocognitive context-dependent e-learning that is consciously applied in this university qualification.

In order to facilitate tutor-student contact as much as possible, you will have a wide range of communication possibilities, both in real time and delayed (internal messaging, telephone answering service, email contact with the technical secretary, chat and videoconferences).

Likewise, this very complete Virtual Campus will allow TECH students to organize their study schedules according to their personal availability or work obligations. In this way, they will have global control of the academic content and teaching tools, based on their fast-paced professional update.



The online study mode of this program will allow you to organize your time and learning pace, adapting it to your schedule”

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 assess 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.

The university methodology top-rated by its students

The results of this innovative teaching model can be seen in the overall satisfaction levels of TECH graduates.

The students' assessment of the quality of teaching, quality of materials, course structure and objectives is excellent. Not surprisingly, the institution became the best rated university by its students on the Trustpilot review platform, obtaining a 4.9 out of 5.

Access the study contents from any device with an Internet connection (computer, tablet, smartphone) thanks to the fact that TECH is at the forefront of technology and teaching.

You will be able to learn with the advantages that come with having access to simulated learning environments and the learning by observation approach, that is, Learning from an expert.



As such, the best educational materials, thoroughly prepared, will be available in this program:



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.

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



Practicing Skills and Abilities

You will carry out activities to develop specific competencies and skills in each thematic field. Exercises and activities to acquire and develop the skills and abilities that a specialist needs to develop within the framework of the globalization we live in.



Interactive Summaries

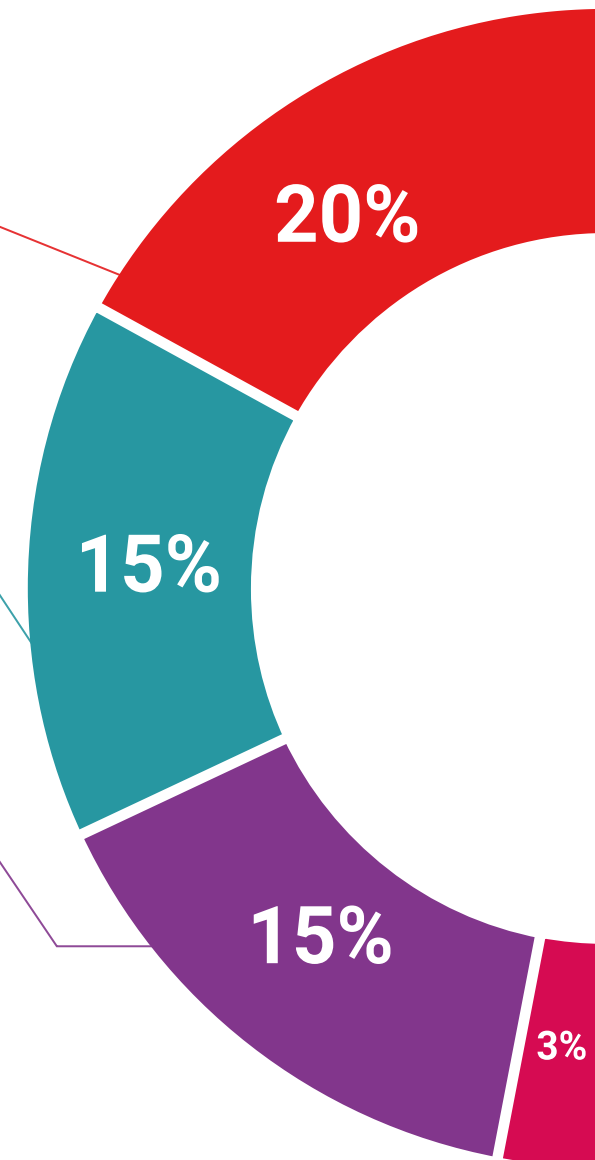
We present the contents attractively and dynamically in multimedia lessons that include audio, videos, images, diagrams, and concept maps in order to reinforce knowledge.

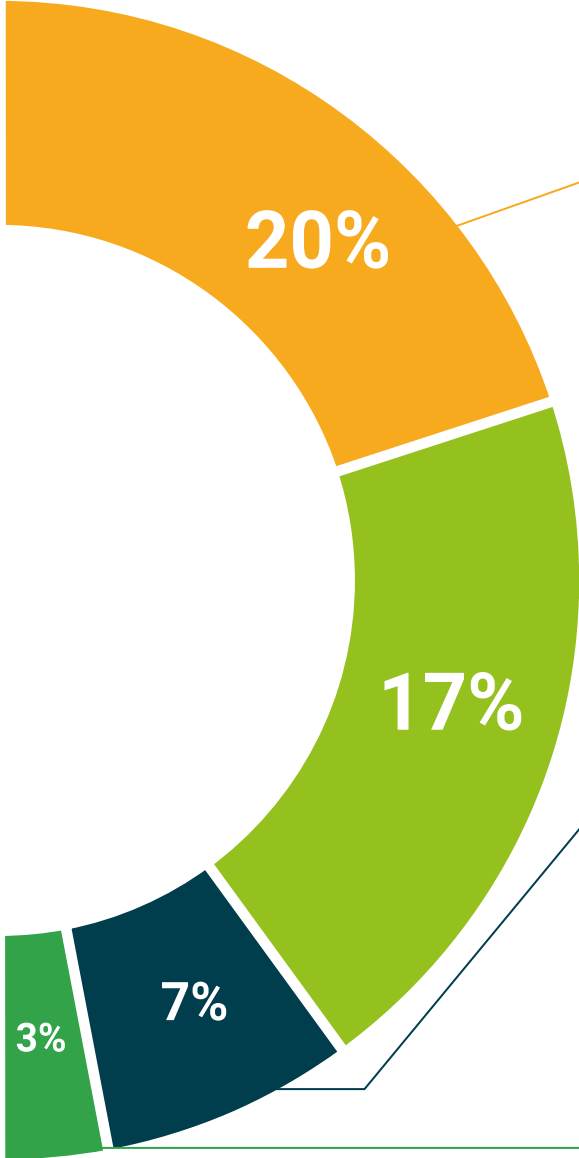
This exclusive educational system for presenting multimedia content was awarded by Microsoft as a "European Success Story".



Additional Reading

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





Case Studies

Students will complete a selection of the best case studies in the field. Cases that are presented, analyzed, and supervised by the best specialists in the world.



Testing & Retesting

We periodically assess and re-assess your knowledge throughout the program. We do this on 3 of the 4 levels of Miller's Pyramid.



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 for 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 Phytotherapy and Herbal Medicines guarantees students, in addition to the most rigorous and up-to-date education, access to a Postgraduate Certificate issued by TECH Global University.



“

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 a **Postgraduate Certificate in Phytotherapy and Herbal Medicines** 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 Phytotherapy and Herbal Medicines**

Modality: **online**

Duration: **6 weeks**

Accreditation: **4 ECTS**



*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.



Postgraduate Certificate
Phytotherapy
and Herbal Medicines

- » Modality: online
- » Duration: 6 weeks
- » Certificate: TECH Global University
- » Accreditation: 4 ECTS
- » Schedule: at your own pace
- » Exams: online

Postgraduate Certificate

Phytotherapy and Herbal Medicines

