Postgraduate Certificate

Active Principles of Plants, Pharmaceutical Forms and Galenic Preparations





Active Principles of Plants, Pharmaceutical Forms and Galenic Preparations

» Modality: online

» Duration: 6 weeks

» Certificate: TECH Global University

» Accreditation: 6 ECTS

» Schedule: at your own pace

» Exams: online

We bsite: techtitute.com/us/pharmacy/postgraduate-certificate/active-principles-plants-pharmaceutical-forms-galenic-preparations

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There is now a scientific basis supporting the efficacy of many phytotherapeutic products for certain indications. The place that phytotherapy should occupy in therapeutics should be that for which it has demonstrated its usefulness and safety.

Efficacy is achieved only with the proper use of phytotherapeutic preparations, both in terms of indications and form of administration.

This program offers a current vision of Phytotherapy and its application in the health field, including the latest contributions and advances. The contents are guaranteed by the teaching staff involved in the Postgraduate Certificate, since in one way or another they all work in the field of phytotherapy or are related to it. Thus, the student will learn based on the experience of the teachers and experience evidence-based medicine, which results in the student's training to be more effective and accurate. On the one hand, the different university training programs generally suffer from a deep and profound lack of

continuously updated training in Phytotherapy, and on the other hand that current health trends are leaning towards the use of safe and effective natural remedies, it is necessary to be able to offer the student the possibility of expanding their knowledge

and therapeutic skills with a greater specialization in the use of medicinal plants, from the professional and academic perspective necessary to adequately face their future in this field.

This ONLINE COURSE offers you the characteristics of a high level scientific, teaching and technological course. These are some of its most notable features:

- Latest technology in online teaching software.
- Highly visual teaching system, supported by graphic and schematic contents that are easy to assimilate and understand.
- Practical cases presented by practising experts.
- State-of-the-art interactive video systems.
- Teaching supported by telepractice.
- · Continuous updating and recycling systems.
- Self-regulating learning: full compatibility with other occupations.
- Practical exercises for self-evaluation and learning verification.
- Support groups and educational synergies: questions to the expert, debate and knowledge forums.
- Communication with the teacher and individual reflection work.
- Content that is accessible from any fixed or portable device with an Internet connection.
- Supplementary documentation databases are permanently available, even after the course.



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Our innovative telepractice concept will give you the opportunity to learn through an immersive experience, which will provide you with a faster integration and a much more realistic view of the contents: "learning from an expert"

Our teaching staff is composed of medical professionals, practising specialists. In this way, we ensure that we provide you with the training update we are aiming for. A multidisciplinary team of doctors trained and experienced in different environments, who will develop the theoretical knowledge in an efficient way, but, above all, will bring their practical knowledge derived from their own experience to the course: one of the differential qualities of this training.

This mastery of the subject matter is complemented by the effectiveness of the methodological design of this course. Developed by a multidisciplinary team of e-learning courses, it integrates the latest advances in educational technology. This way, you will be able to study with a range of comfortable and versatile multimedia tools that will give you the operability you need in your training.

The design of this program is based on Problem-Based Learning: an approach that conceives learning as a highly practical process. To achieve this remotely, we will use telepractice: with the help of an innovative interactive video system, and learning from an expert, you will be able to acquire the knowledge as if you were actually dealing with the scenario you are learning about. A concept that will allow you to integrate and fix learning in a more realistic and permanent way.

This course allows training in simulated environments, which provide immersive learning programmed to train for real situations.

With a methodological design based on proven teaching techniques, this course will take you through different teaching approaches to allow you to learn in a dynamic and effective way.







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General Objectives

- Define the therapeutic limits of phytotherapy and recognize 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.



Specific Objectives

- Explain the application of the magistral formulation in Phytotherapy.
- Explain the industrial processing of herbal medicines.
- Define the main groups and properties in relation to the active ingredients.
- Define the therapeutic application of phenols, flavonoids, tannins, isoprenoids, resins, alkaloids and other products.



Learn the usefulness of the different possibilities of the active principles of phytotherapy and start preparing your own galenicals with the safety of an expert"

03 Course Management

For our course to be of the highest quality, we are proud to work with a teaching staff of the highest level, chosen for their proven track record. Professionals from different areas and fields of expertise that make up a complete, multidisciplinary team. A unique opportunity to learn from the best. For our course to be of the highest quality, we are proud to work with a teaching staff of the highest level, chosen for their proven track record. Professionals from different areas and fields of expertise that make up a complete, multidisciplinary team. A unique opportunity to learn from the best.



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With the expertise of industry professionals who will teach you based on the reality of the sector in a contextual and realistic learning"

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Professors

Dr. Güemes Heras, Jaime

- Degree in Biology.
- Doctor of Biology (PhD).
- University of Valencia.
- Curator of the Botanical Garden, Cavanilles Institute of Biodiversity and **Evolutionary and Biology**

- Dr. Bejarano, María
 Doctor of Pharmacy.
- Pharmacist in pharmacy office.

Dr. Palomino Ruiz-Poveda, Olga María

- Degree in Pharmacy.
- Doctor in Pharmacy (PhD).
- Faculty of Pharmacy, Complutense University, Madrid.
- Associate Professor of the Department of Pharmacology.

Dr. García-Fontestad, Gema Alejandra

- Doctor of Pharmacy.
- Pharmacist in pharmacy office.





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Dr. García-Fontestad, Gema Alejandra • Doctor of Pharmacy.

- Pharmacist in pharmacy office.

Ibars, Ana

• University of Valencia. Botany Teaching Unit.

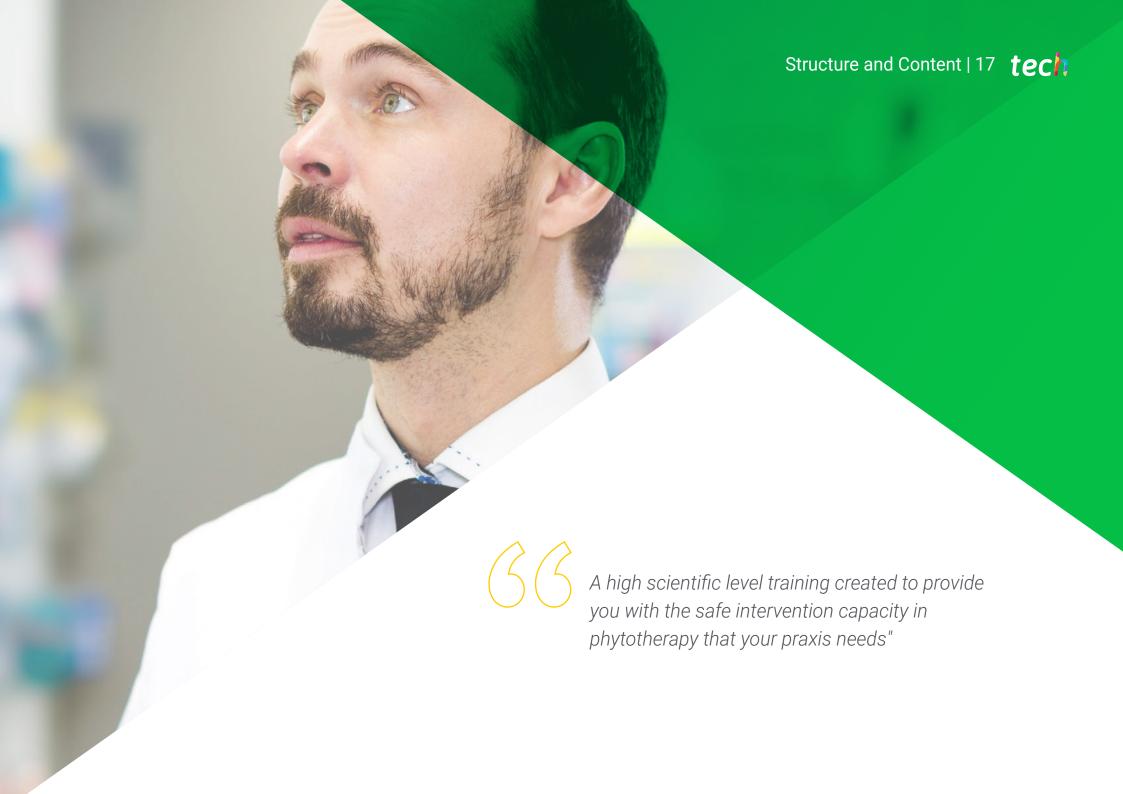
Dr. Soriano, Pilar

- Degree in Pharmacy.
- Doctor in Pharmacy (PhD).
- Faculty of Pharmacy. University of Valencia.
- Professor of the Department

Degree in Izquierdo, Rosa • Degree in Pharmacy.

- Drug Information Center.
- Illustrious Official College of Pharmacists of Castellón.





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- 1.1. Active Ingredients: Main Groups and Properties, as a Basis that Justifies the use of Phytotherapy.
- 1.2. Carbohydrates, Lipids, Proteins, and Sulfocyanogenetic Heterosides and their Therapeutic Application.
- 1.3. Simple Phenols, Coumarins and Lignans and their therapeutic application.
- 1.4. Flavonoids and their Therapeutic Application.
- 1.5. Tannins and Quinones and their Application.
- 1.6. Isoprenoids, Saponins and Cardiotonic Heterosides and their Application.
- 1.7. Resins and their Application.
- 1.8. Alkaloids and their Application.
- 1.9. Magistral Formulation in Phytotherapy.
- 1.10. Other Pharmaceutical Forms in Phytotherapy.
- 1.11. Industrial Processing of Herbal Medicines.







A comprehensive teaching program, structured in well-developed teaching units, oriented toward a high impact learning and training"



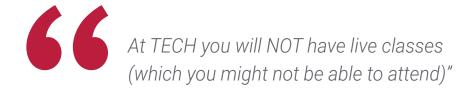


The student: the priority of all TECH programs

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.







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"

tech 24 | Study Methodology

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.



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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.

Study Methodology | 27 tech

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 teaching quality, the quality of the materials, the structure of the program and its objectives is excellent. Not surprisingly, the institution became the top-rated university by its students according to the global score index, 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

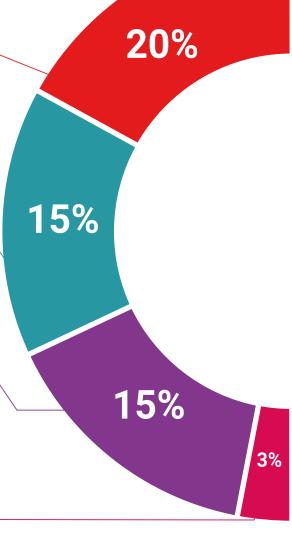
You will carry out activities to develop specific competencies and skills in each thematic field. Exercises and activities to acquire and develop the skills and abilities that a specialist needs to develop within the framework of the globalization we live in.



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.



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



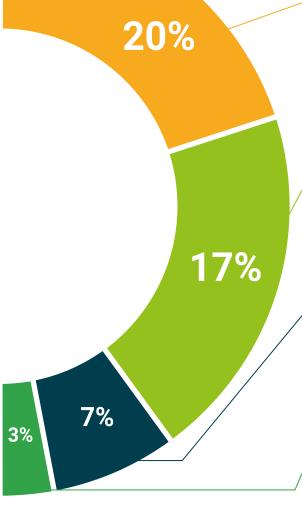
There is scientific evidence suggesting that observing third-party experts can be useful.

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.







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This private qualification will allow you to obtain a diploma for the **ESTUDIO** in **PROGRAMA** 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 Active Principles of Plants, Pharmaceutical Forms and Galenic Preparations

Modality: online

Duration: 6 weeks

Accreditation: 6 ECTS



Mr./Ms. ______, with identification document ______ has successfully passed and obtained the title of:

Postgraduate Certificate in Postgraduate Certificate in Active Principles of Plants, Pharmaceutical Forms and Galenic Preparations

This is a private qualification of 180 hours of duration equivalent to 6 ECTS, with a start date of dd/mm/yyyy and an end date of dd/mm/yyyy.

TECH Global University is a university officially recognized by the Government of Andorra on the 31st of January of 2024, which belongs to the European Higher Education Area (EHEA).

In Andorra la Vella, on the 28th of February of 2024



^{*}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.

health

guarantee

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tech global

university

Postgraduate Certificate

Active Principles of Plants, Pharmaceutical Forms and Galenic Preparations

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

