Postgraduate Diploma

Restorative Dentistry and Direct Rehabilitation of the Anterior Sector

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Postgraduate Diploma

Restorative Dentistry and Direct Rehabilitation of the Anterior Sector

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

Website: **www.techtitute.com/us/dentistry/postgraduate-diploma/postgraduate-diploma-restorative-dentistry-direct-rehabilitation-anterior-sector**

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01

Introduction

Achieving dental excellence is only within the reach of professionals who invest their time and effort in perfecting their techniques and skills in the treatment of the different dental pathologies and conditions that a patient may suffer. In this field, the achievement of unparalleled aesthetics, as well as maximum oral health is the ultimate goal pursued by these specialists. For this reason, and in order to contribute to the advancement of their careers through a rigorous and comprehensive update, TECH and its team of experts in Clinical Dentistry have developed this program focused on the direct rehabilitation of the anterior sector. Thanks to it, the graduate will be able to update their knowledge in restoration and cariology, by implementing in their practice the strategies of adhesion and direct application of composite resins throughout this 100% online course.

Would you like to gain detailed knowledge of the latest composites and the most innovative and effective techniques to apply them? This is your career opportunity to do it 100% online"

Restorative dentistry is one of the most demanded specialties in the oral and dental sectors. Oral health, linked to the aesthetics of the mouth, is a concern for the vast majority of people, so they usually go to specialized centers seeking treatment for caries, blows to the teeth, genetic malformations, wear or loss due to age or disease (such as cancer, which is currently quite common). Thanks to ongoing research in the field, as well as advances in clinical techniques and materials that are increasingly effective and efficient, dentists can provide more specialized and personalized dental care, guaranteeing the best results for their patients' needs.

In order to bring them up to date on the latest developments in direct anterior rehabilitation, TECH and its team of experts in Clinical Dentistry have developed this comprehensive program. A 6-month academic experience for our students to delve into the latest advances in aesthetic diagnosis and techniques, as well as modern cariology and auxiliary methods to restore and reconstruct endodontic teeth. You will also gain a detailed understanding of the fundamentals of adhesion and the use of composite in rehabilitation.

All of this through 600 hours of diverse material: from the best syllabus and real clinical cases to hone professional skills via solving simulated situations extracted from the practice of TECH professionals, to detailed videos, research articles, complementary readings and much more! Everything will be available on the Virtual Campus from day one, which our students will have access to from any device with an Internet connection, be it a pc, tablet or mobile device. They will also be able to download as a reference even when they lack access to the Internet. It is, therefore, a unique opportunity to raise your talent to the highest level via an innovative, dynamic and high-quality academic experience.

The **Postgraduate Diploma in Restorative Dentistry and Direct Rehabilitation of the Anterior Sector** contains the most complete and up-to-date scientific program on the market. The most important features include:

- Case studies presented by experts in Clinical Dentistry
- 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
- 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

An up-to-date and comprehensive course for you to delve into the latest developments in aesthetic diagnosis as a key tool in Restorative Dentistry"

You will not have to worry about tight schedules or face-to-face classes, since you will set your own academic calendar from any location you wish"

If you are looking for a program that allows you to keep up with cariology and dental conservation, enroll in this program because it is perfect for you.

You will enjoy 600 hours of the best theoretical, practical and additional content for you to personalize your study of each section based on what you consider most relevant for your work.

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 during the academic year. For this purpose, the student will be assisted by an innovative interactive video system created by renowned and experienced experts.

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Objectives

Given the continuous advances being made in the field of Clinical Dentistry, specifically teeth rehabilitation and restoration, TECH and its team of experts have developed this program for professionals to access the latest developments in the most innovative treatments and techniques. Through 600 hours of theoretical, practical and additional content, our students will be able to delve into the current fundamentals of the sector, which will perfect their professional quality in only six months.

You will work on the most innovative methods to perfect the practical application of color through the knowledge of the most innovative and effective clinical protocols"

General objectives

- Encourage the acquisition of technical skills and abilities via a series of online tutorials describing the most frequent techniques used in aesthetic dentistry
- Gain a broad and specialized fund of knowledge in aesthetic diagnosis and in dental conservation, restoration and rehabilitation techniques

You will be able to perfectly handle the diagnostic tools and early detection methods in endodontic cases"

Specific objectives

Module 1. Aesthetic Diagnosis

- Establish the importance of the psychosocial factor in modern dentistry
- Perform aesthetic analysis from the measurement of different facial, dental and gingival parameters

Module 2. Conservative. Cariology. Endodontic Teeth

- Provide the student with the tools to correctly measure dental color
- Provide the dentist with analog and digital techniques to communicate the aesthetic analysis to their patients
- Update the dentist's knowledge of the main techniques of analysis and prevention in cariology
- Perform a detailed analysis of the evolution of modern restorative materials
- Acquire knowledge of the main obturation techniques in restorative dentistry
- Define the etiopathogenesis of erosive processes and dental sensitivity
- Provide the auxiliary tools required to rehabilitate lost dental tissue

Module 3. Principles of Adhesion

- Update the classification of the different adhesive systems, from the current scientific evolution and under a practical application
- Establish the necessary skills for the adequate selection of the adhesive agent for each clinical situation

Module 4. Composites

- Define the most frequent techniques used in the direct application of composite resins
- Provide the dentist with the tools that will facilitate the application of these techniques
- Explain in detail the techniques for each clinical situation
- Protocolize the finishing and polishing sequences explaining the importance of these procedures for the final perception of the restoration and its longevity

03

Course Management

Not every university includes in its programs the teaching support formed by specialized teams in the area the course covers. However, TECH does. Moreover, this university subjects the candidates to an exhaustive and demanding analysis, resulting in the creation of the best faculty, made up of experts with broad and extensive professional experience in the sector, as is the case of this Postgraduate Diploma in Restorative Dentistry and Direct Rehabilitation of the Anterior Sector.

The exhaustive and specialized work the teaching team put into the program has made it possible to create a syllabus based on the latest developments in Restorative and Rehabilitation Dentistry"

Management

Dr. Ilzarbe Ripoll, Luis Maria

- Degree in Dentistry from the University of Valencia
- Specialist in Aesthetic Dentistry, exclusively at Ilzarbe Garcia-Sala dental clinic
- Master's Degree in University Research Training, Catholic University of Valencia
- Master's Degree in Prosthodontics and Occlusion at E.S.O.R.I.B.
- Master's Degree in Comprehensive Periodontics
- Master's Degree in Oral Rehabilitation and Implantology at E.S.O.R.I.B.
- D.U.I. in Maxillofacial Surgery and Implantology, Université Paul Sabatier de Toulousse
- Expert in all-ceramic prosthesis from the Complutense University of Madrid

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Structure and Content

In designing the syllabus for this Postgraduate Diploma, TECH followed the guidelines of the teaching team, which is in charge of selecting the information subsequently included in the syllabus. So, those who enroll in the program will find the most up-to-date and comprehensive content in aesthetic diagnosis and cariology, as well as the fundamentals of adhesion and the use of innovative and highly effective materials for direct and indirect restoration. All this through 600 hours of theoretical, practical and additional material presented in a convenient and accessible 100% online format.

The use of the Relearning methodology in the development of this program will allow you to save hours of study, assisting you to update your knowledge naturally and progressively: Without even realizing it!"

Module 1. Aesthetic Diagnosis

1.1. Aesthetic Analysis. Principles of Biomimetics
- 1.1.1. Facial Analysis
- 1.1.2. Smile Analysis

1.2. Color Theory. Diagnostic Tools
- 1.2.1. The Nature of Color
- 1.2.2. Color Parameters
- 1.2.3. Estimation Technique (Subjective) with Analog Guidance
- 1.2.4. Other Factors that Influence Perception
- 1.2.5. Color Matching Clinical Process
- 1.2.6. Objective Methods of Chromatic Estimation (Digital Guides)

1.3. Practical Application of Color
- 1.3.1. Practical Application of Dental Color and Shade Guides
- 1.3.2. Clinical Protocol for Successful Color Imaging
- 1.3.3. Dental Stains
- 1.3.4. Color as a Key Factor in Decision-Making with Composite Resins
- 1.3.5. Color as a Key Factor in Decision-Making with Dental Ceramics

1.4. Communication with the Patient
- 1.4.1. Current Diagnostic Tools. Communication Software
- 1.4.2. Direct Mock-Up vs. Digital Simulation

Module 2. Conservative/Cariology/Endodontic Tooth

2.1. Introduction to Modern Cariology
- 2.1.1. Classification and Etiopathogenesis
- 2.1.2. Diagnostic Tools and Early Detection

2.2. Nature of Materials for Direct Restoration
- 2.2.1. Introduction: Dental Composites as Direct Restorative Materials
- 2.2.2. History and Background of Dental Composites
- 2.2.3. Evolution and Classifications
- 2.2.4. Other Types of Dental Composites
- 2.2.5. Properties of Dental Composites
- 2.2.6. Core Build-Up Composites

2.3. Auxiliary Methods for Direct Restoration
- 2.3.1. Biomechanical Concepts
- 2.3.2. Classification of Posts
- 2.3.3. Evolution of the Concepts of Retention and Resistance
- 2.3.4. Restoration
- 2.3.5. Clinical Use of Fiber Posts
- 2.3.6. Aspects to Consider
- 2.3.7. Preparing Space for the Post

2.4. Absolute Isolation as a Standard in Restoration
- 2.4.1. Dental Dam
- 2.4.2. Instruments and Accessories

2.5. Tooth Sensitivity and Erosion. Realities
- 2.5.1. Tooth Sensitivity (Dental Hypersensitivity)
- 2.5.2. Etiopathogenesis
- 2.5.3. Physiological and Pathological Mechanisms in Pulp Response
- 2.5.4. Patient Treatment and Education
- 2.5.5. Erosive Pathology. Etiopathogenesis. Treatment

2.6. Reconstruction of Endodontically Treated Teeth
- 2.6.1. Biological Properties of Devitalized Teeth
- 2.6.2. Intraconduit Restraint Systems
- 2.6.3. Viability Criteria

2.7. Rehabilitation of Endodontic Teeth
- 2.7.1. Rehabilitation of Anterior Endodontic Teeth
- 2.7.2. Rehabilitation of Posterior Endodontic Teeth

2.8. Polymerization Units
- 2.8.1. The Effect of Lamps. Objective Measurement
- 2.8.2. Restorative and Prosthodontic Perspectives

Module 3. Principles of Adhesion

3.1. Adhesive Dentistry. Background and Perspectives
- 3.1.1. Classification of Adhesives by Generations
- 3.1.2. Classical Classification of Dental Adhesives based on the Time of Appearance
- 3.1.3. Mechanisms of Adhesion of Conventional Adhesives
- 3.1.4. Mechanism of Adhesion of Self-Etching Adhesives

3.2. Adhesion to Different Substrates
- 3.2.1. Mechanisms of Adhesion
- 3.2.2. Adhesion to Dental Tissues

3.3. Adhesive Dentistry for Different Materials
- 3.3.1. Intraductal Adhesion
- 3.3.2. Adhesion to Indirect Restorative Materials

3.4. Cement in Dentistry
- 3.4.1. Classification of Cements
- 3.4.2. Decision Making
- 3.4.3. Equipment and Techniques

Module 4. Composites

4.1. Materials for Direct and Indirect Restoration
- 4.1.1. Biocompatibility and Future Prospects
- 4.1.2. Physical and Aesthetic Properties. Ceramics and Composites

4.2. Techniques
- 4.2.1. Freehand Technique
- 4.2.2. Layering Technique Through the Use of Palatal Keys in the Anterior Sector
- 4.2.3. Injection Technique
- 4.2.4. Indirect Aesthetic Rehabilitation Techniques

4.3. Direct Layering in the Anterior Sector Using Palatal Keys
- 4.3.1. The Importance of Waxing. Communication and Treatment Guide
- 4.3.2. Silicone Guide and Reduction Wrenches
- 4.3.3. Step by Step Technique, Classes III, IV, and V

4.4. Direct Stratification Technique for Single Cases
- 4.4.1. Changes in Proportions
- 4.4.2. Agenesis of Maxillary Lateral Incisors
- 4.4.3. Discoloration
- 4.4.4. Closure of Diastemas

4.5. Smile Design Using Direct Composites
- 4.5.1. Smile Design
- 4.5.2. Treatment Protocols

4.6. Finishing and Polishing
- 4.6.1. Determining and Instrumental Factors
- 4.6.2. Finishing, Polishing Sequence and Procedure

4.7. Maintenance
- 4.7.1. Influence of Certain Extrinsic Factors on Long-Term Outcome
- 4.7.2. Action Protocols and Maintenance Guidelines

4.8. Exemplification with Different Restorative Systems
- 4.8.1. American Systems
- 4.8.2. European Systems
- 4.8.3. Japanese Systems
- 4.8.4. Selection Criteria

4.9. Direct Restoration as a Support to Other Specialties
- 4.9.1. Composite Resins in Anterior Teeth
- 4.9.2. Techniques to Compensate Proportions and Spaces
  - 4.9.2.1. Conservative or Non-Restoration Techniques
  - 4.9.2.2. Additive/Restoration Techniques
  - 4.9.2.3. Non-Conservative Techniques
- 4.9.3. Aesthetic Dentistry as a Support to Other Specialties
  - 4.9.3.1. Cosmetics as a Complement to Orthodontics
  - 4.9.3.2. Cosmetics as a Complement in Periodontal Treatments
  - 4.9.3.3. Cosmetics as a Complement in Rehabilitation Treatments

4.10. Indirect Composites. Techniques and Protocols
- 4.10.1. Materials and Methodology
- 4.10.2. Provisionalization and Measures
- 4.10.3. Advantages and Disadvantages

05

Methodology

This academic program offers students a different way of learning. Our methodology uses a cyclical learning approach: **Relearning.**

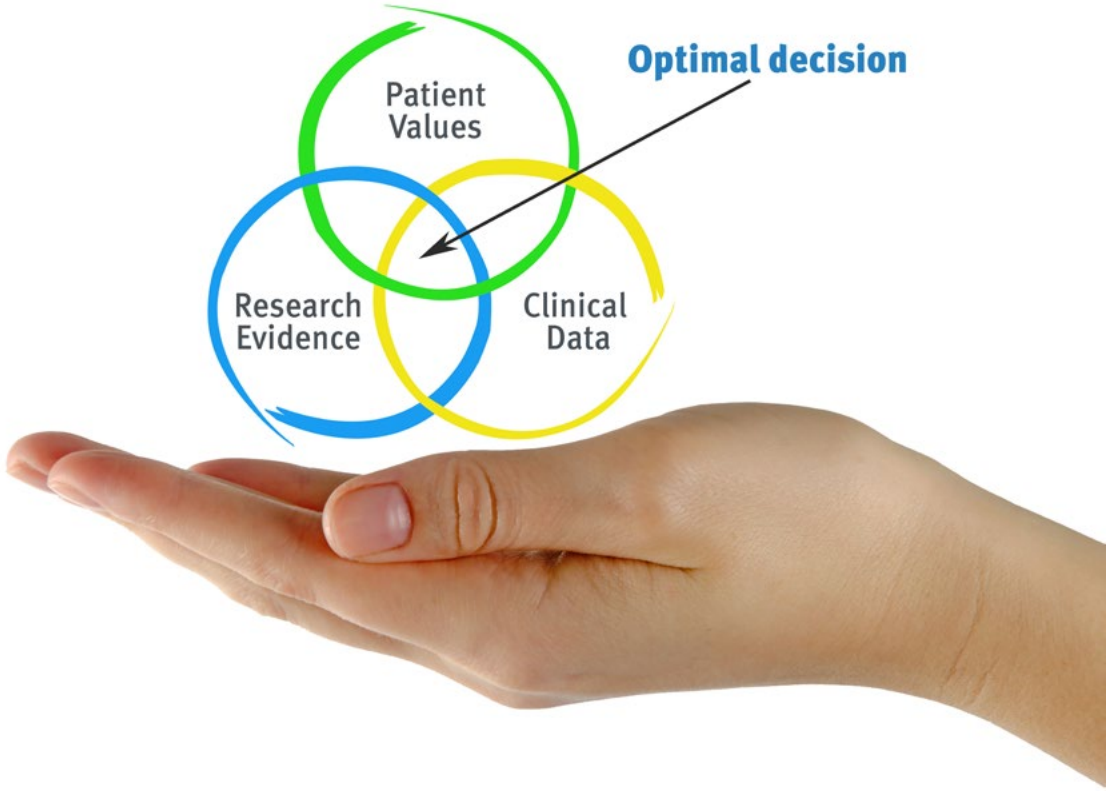
This teaching system is used, for example, in the most prestigious medical schools in the world, and major publications such as the **New England Journal of Medicine** have considered it to be one of the most effective.

Discover Relearning, a system that abandons conventional linear learning, to take you through cyclical teaching systems: a way of learning that has proven to be extremely effective, especially in subjects that require memorization"

At TECH we use the Case Method

In a given situation, what should a professional do? 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 dentist'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:

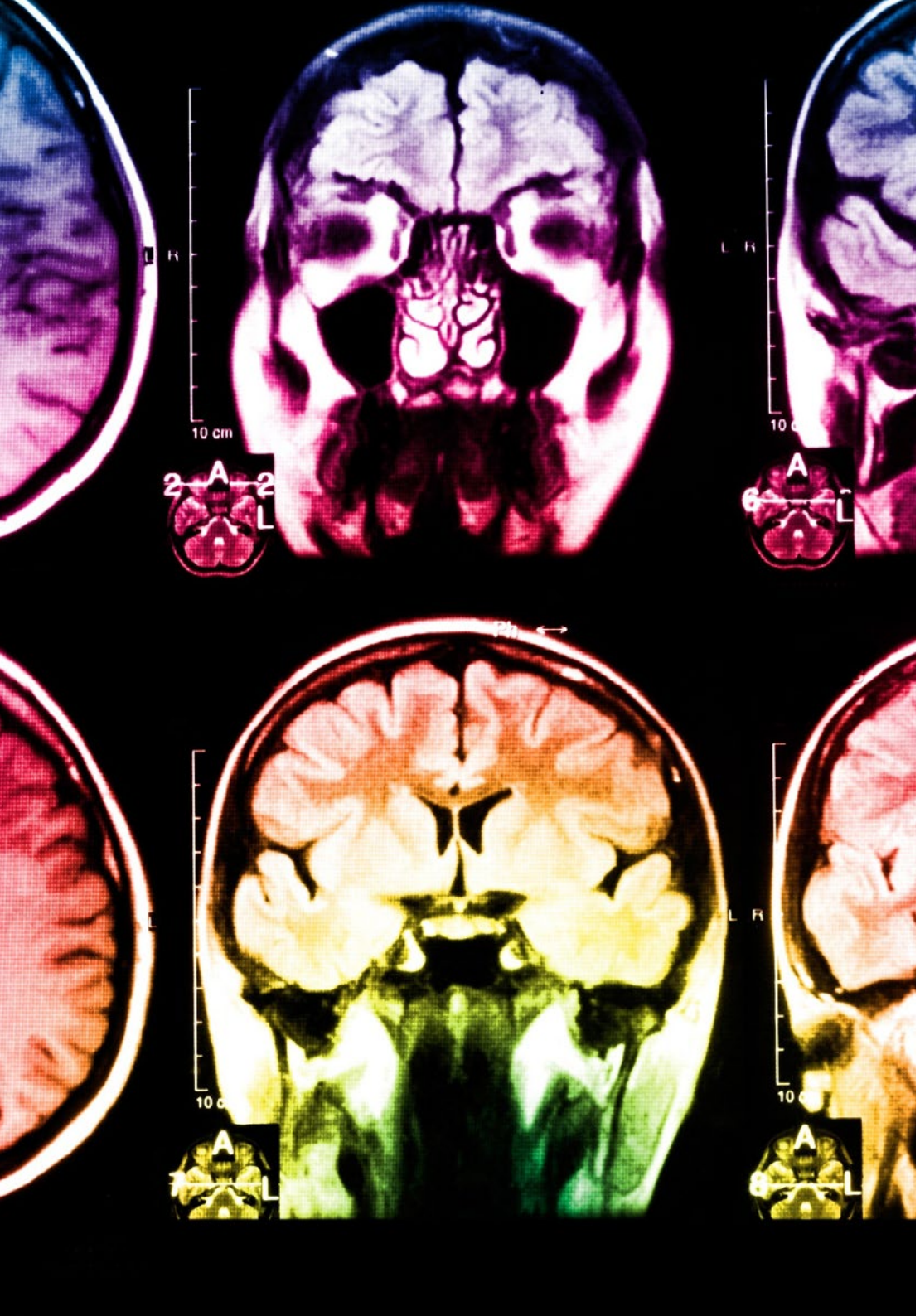
1. Dentists who follow this method not only grasp concepts, but also develop their mental capacity by means of exercises to evaluate real situations and apply their knowledge.
2. Learning is solidly translated into practical skills that allow the student to better integrate into the real world.
3. Ideas and concepts are understood more efficiently, given that the example situations are based on real-life.
4. Students like to feel that the effort they put into their studies is worthwhile. This then translates into a greater interest in learning and more time dedicated to working on the course.

Relearning Methodology

At TECH we enhance the case method with the best 100% online teaching methodology available: Relearning.

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.

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



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

With this methodology we have trained more than 115,000 dentists with unprecedented success, in all specialties regardless of the workload. 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 training, developing a critical mindset, defending arguments, and contrasting opinions: a direct equation for 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.

Educational Techniques and Procedures on Video

TECH introduces students to the latest techniques, the latest educational advances, and to the forefront of 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.

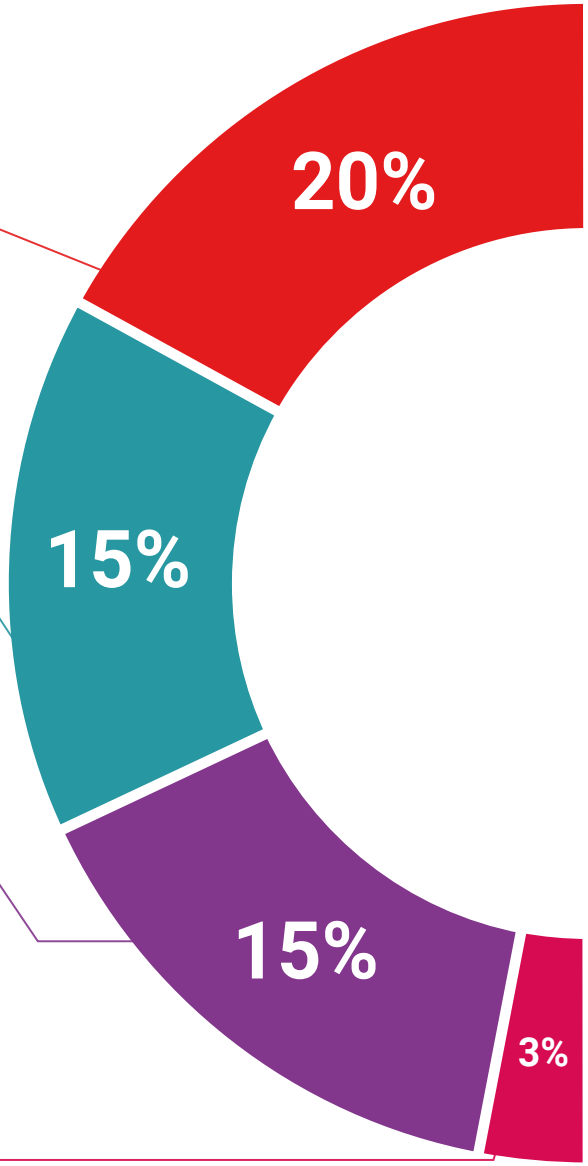
Interactive Summaries

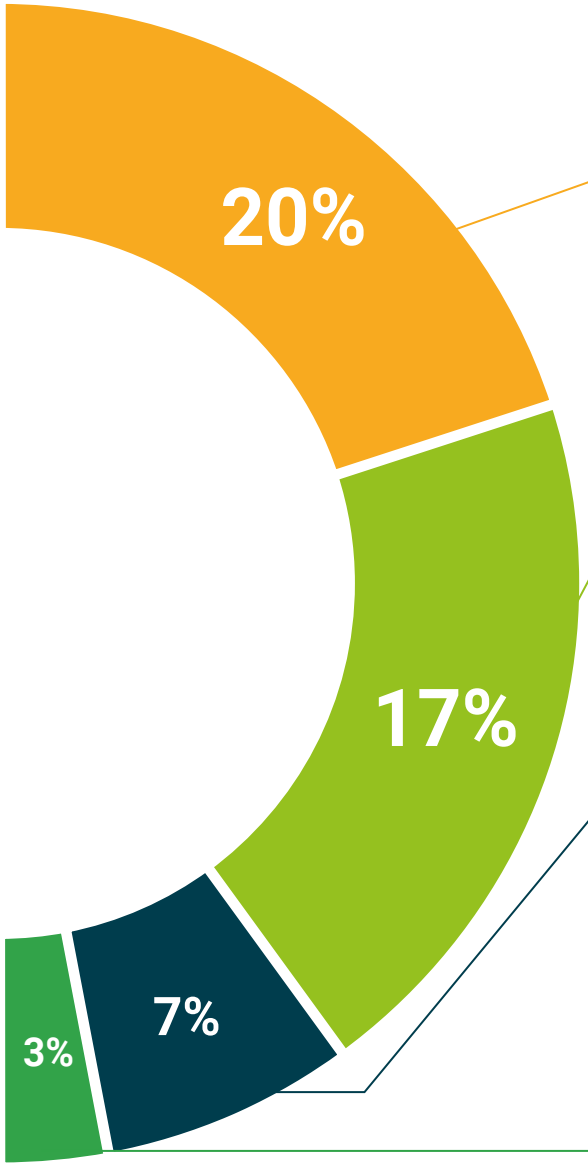
The TECH team presents the contents attractively and dynamically in multimedia lessons that include audio, videos, images, diagrams, and concept maps in order to reinforce knowledge.

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 suggesting that observing third-party experts can be useful.

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

This Postgraduate Diploma in Restorative Dentistry and Direct Rehabilitation of the Anterior Sector guarantees you, in addition to the most rigorous and up-to-date training, access to a Postgraduate Diploma issued by TECH Technological University.

Successfully complete this program and receive your university degree without travel or laborious paperwork”

This **Postgraduate Diploma in Restorative Dentistry and Direct Rehabilitation of the Anterior Sector** 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 diploma 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 evaluation committees.

Title: **Postgraduate Diploma in Restorative Dentistry and Direct Rehabilitation of the Anterior Sector**

Official Nº of hours: **600 h.**


tech technological university

Awards the following

DIPLOMA

to

Mr./Ms. _____, with identification number _____.

For having passed and accredited the following program

POSTGRADUATE DIPLOMA

in

Restorative Dentistry and Direct Rehabilitation of the Anterior Sector

This is a qualification awarded by this University, equivalent to 600 hours, with a start date of dd/mm/yyyy and an end date of dd/mm/yyyy.

TECH is a Private Institution of Higher Education recognized by the Ministry of Public Education as of June 28, 2018.

June 17, 2020

Tere Guevara Navarro

Dean

This qualification must always be accompanied by the university degree issued by the competent authority to practice professionally in each country.

Unique TECH Code: AFWORD23S techtitute.com/certificates

*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.

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Postgraduate Diploma

Restorative Dentistry and Direct Rehabilitation of the Anterior Sector

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

Postgraduate Diploma

Restorative Dentistry and Direct Rehabilitation of the Anterior Sector

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