

# Postgraduate Certificate

## Pathological Labor and Delivery: Instrumental, Cesarean and Breech Delivery for Nursing





## Postgraduate Certificate Pathological Labor and Delivery: Instrumental, Cesarean and Breech Delivery for Nursing

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

Website: [www.techtute.com/us/nursing/postgraduate-certificate/pathological-labor-delivery-instrumental-cesarean-breech-delivery-nursing](http://www.techtute.com/us/nursing/postgraduate-certificate/pathological-labor-delivery-instrumental-cesarean-breech-delivery-nursing)

# Index

01

Introduction

---

*p. 4*

02

Objectives

---

*p. 8*

03

Course Management

---

*p. 12*

04

Structure and Content

---

*p. 16*

05

Methodology

---

*p. 20*

06

Certificate

---

*p. 28*

# 01

# Introduction

Pathology in pregnancy is one of the basic pillars of obstetrics and research. Many protocols have changed radically in recent years due to technological advances and new study results, so the student will be able to incorporate the most up to date knowledge with better results to his or her healthcare work.



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*The most complete training in Pathological Labor and Delivery: Instrumental, Cesarean and Breech Delivery, from all the educational market: a wide and complete Postgraduate Certificate, unique in its specialty"*

Throughout this Postgraduate Certificate, deviations from normal childbirth will be treated, both at the beginning and at the end.

More than 25% of neonates are born by instrumental delivery or cesarean section, so the best references will be incorporated here so that the student can make an exhaustive study of them and incorporate new and integrated knowledge.

Also incorporated are topics such as labor inductions and premature rupture of membranes, chapters in constant revision and change of protocols thanks to new studies.

Group B Streptococcus positive in gestational screening and its treatment will also be studied in this topic, another of the points in which midwives must be fully trained, since they are the ones who administer medication, take samples and receive the pregnant woman in the emergency units.

This module integrates, in an unprecedented way, the summary of numerous protocols that govern the different hospitals.

It is also one of the most important objects of study in official examinations such as competitive examinations.

This **Postgraduate Certificate in Pathological Labor and Delivery: Instrumental, Cesarean and Breech Delivery for Nursing** contains the most complete and up-to-date scientific program on the market. The most important features include:

- ♦ The latest technology in online teaching software
- ♦ A highly visual teaching system, supported by graphic and schematic contents that are easy to assimilate and understand
- ♦ Practical cases presented by practicing experts
- ♦ State-of-the-art interactive video systems
- ♦ Teaching supported by telepractice
- ♦ Continuous updating and recycling systems
- ♦ Autonomous learning: full compatibility with other occupations
- ♦ Practical exercises for self-assessment 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



*Become a highly qualified professional with this unique Postgraduate Certificate in Pathological Labor and Delivery: Instrumental, Cesarean and Breech Delivery for Nursing*



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*Get a complete and adequate qualification in Postgraduate Certificate in Pathological Labor and Delivery: Instrumental, Cesarean and Breech Delivery, with this Postgraduate Certificate of high formative efficiency and opens new paths to your professional progress"*

Our teaching staff is made up of professionals from different fields related to this specialty. In this way, we ensure that we provide you with the educational update we are aiming for. A multidisciplinary team of professionals trained and experienced in different environments, who will cover the theoretical knowledge in an efficient way, but, above all, will put the practical knowledge derived from their own experience at the service of the course: one of the differential qualities of this training.

This mastery of the subject is complemented by the effectiveness of the methodological design of this Postgraduate Certificate in Pathological Labor and Delivery: Instrumental, Cesarean and Breech Delivery for Nursing, Developed by a multidisciplinary team of e-learning Postgraduate Diplomas 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.

*A Postgraduate Certificate that will enable you to face the most complex situations with the solvency of a high-level professional.*

*With the experience of expert professionals who will bring to the Postgraduate Certificate their experience in this area of action, making this training a unique opportunity for professional growth.*



02

# Objectives

Our objective is to train highly qualified professionals for work experience. An objective that is complemented, moreover, in a global manner, by promoting human development that lays the foundations for a better society. This objective is focused on helping medical professionals reach a much higher level of expertise and control. A goal that, in just six months, you will be able to achieve with a highly intensive and precise Postgraduate Certificate.







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*If your objective is to broaden your skills set to include new paths of success and development, this is the course for you: training that aspires to excellence"*



## General Objectives

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- The student will learn to manage and perform instrumental deliveries and cesarean sections
- You will learn the factors to take into account during abnormal deliveries, such as breech deliveries or deliveries with a previous cesarean section
- Know the different ways of initiating labor, such as premature rupture of membranes and induction



*A way of training and professional growth that will also provide you with greater competitiveness in the labor market"*





## Specific Objectives

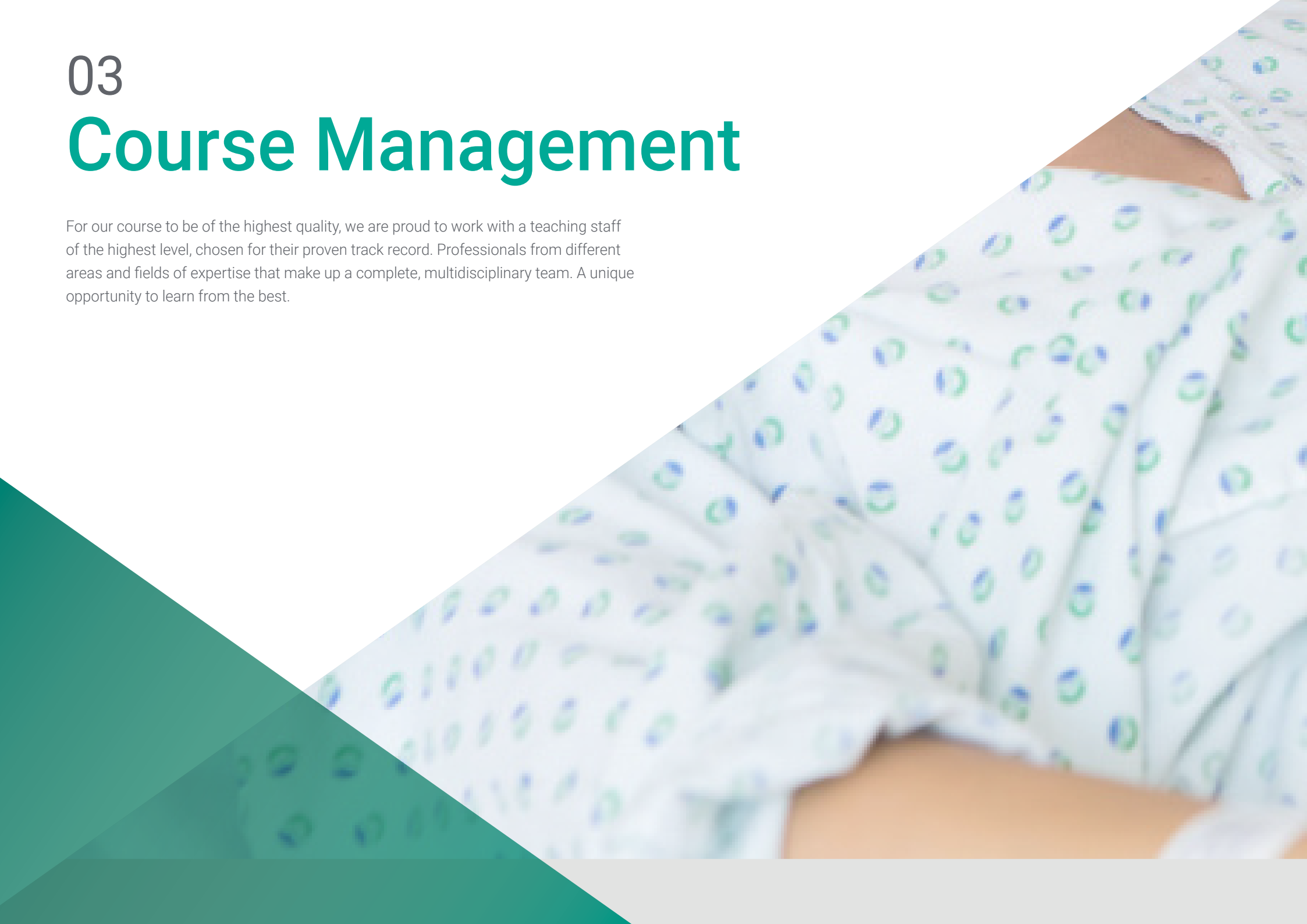
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- An exhaustive knowledge of the different ways of initiating labor, whether spontaneous, induced or by premature rupture of membranes, is essential in the midwife's work, since all pregnant women will go through this process
- Learning about births that are not euthanized is of utmost importance for the midwife to have the skills and knowledge to refer patients and advise obstetricians in an optimal way
- Instruct on the main protocols in relation to pregnant women carrying group B streptococcus during the third trimester of pregnancy, since it is the midwives who are responsible for collecting samples, administering medication and performing the relevant subsequent neonatal care

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.



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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”*



## International Guest Director

Dr. Leah McCoy is a specialist in **Nursing** and **Obstetrics** and holds the position of **Director of the Obstetric Nursing Education Program** at the Mayo Clinic in Minnesota, United States. Here she seeks to provide an innovative pathway for nurses to pursue a career as a **midwife**. With a special interest in ensuring quality care, she has dedicated herself to overseeing patient safety.

After a long career as an **Obstetric Nurse**, she has specialized in outpatient cervical dilation, postpartum hemorrhage management and obstetric emergencies. One of her main responsibilities has been **delivery care**, but she has also dedicated herself to **prenatal care** and the general health of the pregnant woman. In addition, she has experience as a trainer for professionals who wish to specialize in this branch of nursing.

In addition, Dr. Leah McCoy has been a member of the United States **Navy Nurse Corps**. After working for several years as a midwife, she decided to broaden her knowledge and enlisted with the motivation to travel while providing a service for her country. With her recognized expertise, she is also a member of the **American Board of Midwifery Certification** and a Fellow of the **American College of Obstetric Nurses**.

In the field of research, she has worked on various projects in the area of **Obstetrics**. Some of the studies in which she has participated have focused on analyzing weight gain during gestation or applying intermittent auscultation in low-risk women. She has also collaborated in a project to reduce the duration of labor induction in order to reduce by 10% the length of stay prior to delivery of the baby.





## Dr. McCoy, Leah

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- Director of the Obstetric Nursing Education Program at Mayo Clinic, Minnesota, United States
  - Nurse in the Department of Obstetrics and Gynecology at Mayo Clinic
  - Instructor of the Obstetrics and Gynecology Area of the Mayo Clinic
  - Doctorate in Obstetrical Nursing from Baylor University
  - Graduate Degree in Nursing from Marquette University
- Member of: American College of Obstetric Nurses, U.S. Navy Nurse Corps

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*Thanks to TECH you will be able to learn with the best professionals in the world"*

## Management



### **Ms. Hernando Orejudo, Isabel**

- Midwife at the University Hospital San Carlos in Obstetric Emergency Units, Delivery Room, High Obstetric Risk, fetal physiopathology and breastfeeding
- IRN in Obstetric-Gynecological Nursing Midwifery Teaching Unit of Madrid, Hospital of San Carlos
- Outpatient Nurse at the University Hospital La Paz
- University Diploma in Nursing (DUE) University School of Nursing Puerta de Hierro. Autonomous University of Madrid
- Breastfeeding promoter at Hospital San Carlos since 2016
- Contributor in the implementation of the Obstetric Pain Guide at Hospital San Carlos since 2019
- Author of 'Protocolo de Atención al parto normal' en Hospital San Carlos



## Professors

### **Ms. Hernández Lachehab, Sonia**

- ◆ Midwife. Currently a nurse at SAR Meco

### **Mr. Márquez Espinar, Gumersindo**

- ◆ Midwife and podiatrist. Currently a midwife at Hospital San Carlos

### **Ms. De Miguel González, María José**

- ◆ Midwife. Currently a midwife at Hospital San Carlos

### **Ms. De la Torre Arandilla, Ana**

- ◆ Midwife. Currently a midwife at the University Hospital Puerta de Hierro and Hospital la Milagrosa

04

# Structure and Content

The contents of this Postgraduate Certificate have been developed by the different experts of this program with a clear purpose: to get our students to acquire each and every one of the skills necessary to become true experts in this field.

A complete and well-structured program that will take you to the highest standards of quality and success.



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*A comprehensive teaching program, structured in well-developed teaching units, oriented towards learning that is compatible with your personal and professional life"*



**Module 1.** Variations in Normal Delivery and the Onset of Labor. Mother Carrying Group B Streptococcus B

- 1.1. Instrumental Delivery
  - 1.1.1. Concept
  - 1.1.2. Indications
  - 1.1.3. Contraindications
  - 1.1.4. Criteria for using the Different Instruments
    - 1.1.4.1. Forceps
    - 1.1.4.2. Thierry Spatulas
    - 1.1.4.3. Cupping
- 1.2. Breech Delivery
  - 1.2.1. Concept
  - 1.2.2. Classification
  - 1.2.3. Etiology
  - 1.2.4. Diagnosis
  - 1.2.5. Vaginal Delivery Criteria and Management
- 1.3. Vaginal Delivery after Cesarean Section
  - 1.3.1. Choice of Delivery Route
  - 1.3.2. Contraindications for Vaginal Delivery with Previous Cesarean Section
  - 1.3.3. Planned Cesarean
  - 1.3.4. Labor Induction
- 1.4. Obstetric Anal Sphincter Injuries
  - 1.4.1. Prevention
  - 1.4.2. Classification
    - 1.4.2.1. Third Degree Tear
    - 1.4.2.2. Fourth Degree Tear
  - 1.4.3. Reparation of Perineal Tears
  - 1.4.4. Follow-up and Delivery after Anal Sphincter Injury





- 1.5. Cesarean Section
  - 1.5.1. Indications
  - 1.5.2. Classification
  - 1.5.3. Cesarean Section Considerations
  - 1.5.4. Surgical Technique
  - 1.5.5. Post-Operative Care
- 1.6. External Cephalic Version
  - 1.6.1. Concept
  - 1.6.2. Indications
  - 1.6.3. Contraindications
  - 1.6.4. Complete Technique and Procedure
  - 1.6.5. Complications
- 1.7. Cervical Ripening and Induction of Labor
  - 1.7.1. Concept
  - 1.7.2. Indications
  - 1.7.3. Contraindications
  - 1.7.4. Risks from Induction
  - 1.7.5. Methods to Labor
    - 1.7.5.1. Pharmacological Methods
    - 1.7.5.2. Non-Pharmacological Methods
- 1.8. Fetal Hydrops
  - 1.8.1. Concept
    - 1.8.1.1. Immune Hydrops
    - 1.8.1.2. Non-Immune Hydrops
  - 1.8.2. Pathophysiology
  - 1.8.3. Diagnosis
  - 1.8.4. Clinical Management
- 1.9. Mother Carrying Group B Streptococcus B(SGB)
  - 1.9.1. Concept
  - 1.9.2. Sample Collecting and Screening
  - 1.9.3. Treatment
  - 1.9.4. Management of Newborns of Mothers who are Carriers of GBS
- 1.10. Premature Rupture of Membranes
  - 1.10.1. Etiology
  - 1.10.2. Diagnosis
  - 1.10.3. Preterm Premature Rupture of Membranes
  - 1.10.4. Full-term Premature Rupture of Membranes



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

# 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 Nursing School 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. Nurses learn better, faster, and more sustainably over time.

*With TECH, nurses can experience a learning methodology 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, in an attempt to recreate the real conditions in professional nursing 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. Nurses who follow this method not only grasp concepts, but also develop their mental capacity, by evaluating real situations and applying their knowledge.
2. The learning process has a clear focus on practical skills that allow the nursing professional to better integrate knowledge acquisition into the hospital setting or primary care.
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 case studies with a 100% online learning system based on repetition combining a minimum of 8 different elements in each lesson, which is a real revolution compared to the simple study and analysis of cases.



*The nurse 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 175,000 nurses with unprecedented success in all specialities regardless of practical 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 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 really 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.



### Nursing Techniques and Procedures on Video

We introduce you to the latest techniques, to the latest educational advances, 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 them as many times as you want.



### Interactive Summaries

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

This 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

The Postgraduate Certificate in Pathological Labor and Delivery: Instrumental, Cesarean and Breech Delivery for Nursing 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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*Include on your training a Postgraduate Certificate in Pathological Labor and Delivery: Instrumental, Cesarean and Breech Delivery for Nursing: a highly qualified added value for any practitioner in this area"*

This **Postgraduate Certificate in Pathological Labor and Delivery: Instrumental, Cesarean and Breech Delivery for Nursing** contains the most complete and up-to-date scientific 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 Pathological Labor and Delivery: Instrumental, Cesarean and Breech Delivery for Nursing**

Official N° of Hours: **150 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.





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# Postgraduate Certificate

Pathological Labor and Delivery:  
Instrumental, Cesarean and Breech  
Delivery for Nursing

