

Postgraduate Certificate Newborn Feeding for Nurses





Postgraduate Certificate Newborn Feeding for Nurses

Course Modality: Online

Duration: 5 weeks

Accreditation: TECH Technological University

5 ECTS Credits

Teaching Hours: 125 hours.

Website: www.techtute.com/us/nursing/postgraduate-certificate/newborn-feeding-nurses

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01

Introduction

Neonatology is one of the most complex areas of pediatrics, and requires specialized professionals to care for the newborn patient properly. For this reason, constant updating of knowledge is essential for the development of the professional. This course is designed to update the professional in newborn feeding procedures, in a practical way and adapted to their needs.

The role of the nursing professional is key in newborn feeding.



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With the Postgraduate Certificate in Newborn Feeding for Nurses you have the opportunity to update your knowledge in a practical way and without sacrificing maximum scientific rigor, in order to incorporate the latest advances in critical nursing care of the newborn"

Neonatology is a constantly evolving discipline, which is highly dependent on technology and new pharmacological treatments. This context makes the updating of procedures in neonatal critical care, both those performed in the Neonatal ICU and in other care settings outside the ICU (emergency units, primary care centers...), of paramount importance to maintain the provision of care based on the latest scientific evidence and to ensure the safety of the baby.

This course includes the most important aspects of newborn feeding. With special emphasis on breastfeeding and alternative types of feeding. In addition, it presents an update on neonatal assessment and examination, NICU admission procedures, and nursing care.

This Postgraduate Certificate in Newborn Feeding for Nurses is oriented to facilitate the updating of the most used nursing procedures, in a practical way, to contribute with quality and safety to the recovery of the newborn, improve its prognosis and avoid the sequelae of severe pathology.

This **Postgraduate Certificate in Newborn Feeding for Nurses** contains the most complete and up to date scientific program on the market. Development of clinical cases presented by experts in the different areas of multidisciplinary knowledge.

- ◆ Development of clinical cases presented by experts in the different specialties. The graphic, schematic, and eminently practical contents of which they are composed provide scientific and practical information on the disciplines that are essential for professional practice.
- ◆ New developments in nursing care and lactation in the newborn.
- ◆ Algorithm-based interactive learning system for decision-making in the presented clinical situations.
- ◆ All this will be complemented by 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.



Improve the care of your neonatal patients with the training offered by the Postgraduate Certificate in Newborn Feeding for Nurses"

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This course may be the best investment you can make in the selection of a refresher program for two reasons: in addition to updating your knowledge in newborn feeding, you will obtain a Postgraduate Certificate from TECH Technological University"

Its teaching staff includes specialists of recognized prestige in the field of neonatology, who bring to this training the experience of their work in the main health centers in the country.

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 an immersive training program to train in real situations.

This program is designed around Problem Based Learning, whereby the nursing professional must try to solve various typical professional practice situations that arise during the course. For this purpose, the professional will be assisted by an innovative interactive video system developed by renowned experts in neonatal critical patient care and with extensive teaching experience.

This program offers training in simulated environments, which provides an immersive learning experience designed to train for real-life situations.

It includes clinical cases to bring the program's degree as close as possible to the reality of care in Nursing.



02

Objectives

This Postgraduate Certificate is oriented to achieve an effective update of the nursing professional's knowledge and procedures for the newborn, in order to provide quality care, based on the latest scientific evidence that guarantees patient safety.



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This refresher program will generate a sense of security when providing neonatal care, which will help you grow both personally and professionally”



General Objective

- Update the professional in nursing procedures in newborn feeding, with special emphasis on the main aspects of breastfeeding, as well as nursing care performed in the neonatal intensive care unit.





Specific Objectives

- ♦ Update nursing care oriented to the satisfaction of the needs derived from the newborn's health problems and to the prevention of complications, guaranteeing a safe and quality practice.
- ♦ Analyze the importance of providing comprehensive care to the newborn from an ethical and legal perspective.
- ♦ Update the procedures, diagnostic tests and treatments derived from the different health problems in the newborn taking into account the different levels of care.
- ♦ Update the integral care of the neonate with a surgical process to help in the optimal restoration of health and to identify, intervene and/or refer for possible complications.
- ♦ Review the indication of medical devices and/or drugs, evaluating the expected benefits and associated risks.
- ♦ Develop the ability to apply theoretical knowledge in daily practice.
- ♦ Identify the differences between the neonate, the child and the adolescent (pediatric ages).
- ♦ Differentiate between neonatal stages, as well as neonatal stages by gestational age and neonatal stages by birth weight.
- ♦ Describe the anatomical and physiological characteristics of the normal newborn.
- ♦ Explain the somatometry of the newborn, as well as its morphological and physiological characteristics.
- ♦ Assess the entire examination process, sequence of physical examination and complete physical examination of the newborn, focusing primarily on the head and neck region, the torso and the limbs.
- ♦ Update the procedures for performing the complete neurological examination.
- ♦ Evaluate the structure and organization of the neonatology service, as well as its location, the necessary equipment and materials, and the necessary human resources.
- ♦ Describe the Neonatal Intensive Care Unit (NICU).
- ♦ Calculate the layout of the cribs, physical space requirements, equipment and materials, and human resources needed.
- ♦ Define the profiles and positions of the "nursing team" as well as its operating system: "Primary Nursing"
- ♦ Update the nursing procedures for the feeding of the NB.
- ♦ Explain the infant's requirements and feeding objectives.
- ♦ Describe the procedure and benefits of breastfeeding.
- ♦ Determine other types of feeding applicable in the neonatal unit and NICU such as enteral nutrition and parenteral nutrition.
- ♦ Update the indications and contraindications for enteral nutrition and parenteral nutrition.
- ♦ Acquire up-to-date knowledge of recommendations for the use of both enteral and parenteral nutrition routes of administration.
- ♦ Differentiate the components of parenteral nutrition.
- ♦ Update procedures for the preparation and administration of parenteral nutrition.
- ♦ Formulate the pattern of withdrawal of parenteral nutrition.

03

Course Management

This program includes in its teaching staff renowned nursing professionals of neonatal intensive care units, who develop their clinical practice in major hospitals, and who bring to this training the experience of their work. In addition, medical specialists who are members of national and international scientific societies participate in its design and development, complementing the teaching staff in an interdisciplinary manner.



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Learn from leading professionals the latest advances in newborn feeding”

Management



Dr. López Ruiz, María Amparo

- ♦ Degree in Medicine and Surgery from the University of Valencia
- ♦ Doctor of Medicine "Cum Laude" from the University CEU Cardenal Herrera with the Thesis: "Analysis of medication in pediatric population attending an Emergency Department."
- ♦ University expert in Neonatology: "Care in the Preterm Newborn."
- ♦ University Professor of Nursing, Medicine and Pharmacy. Faculty of Biomedical Sciences. CEU Cardenal Herrera University - Moncada (Valencia)
- ♦ Professor of the online Master in Pediatric Emergencies for Nurses. CEU Cardenal Herrera University -- Health Class
- ♦ Professor of the Professional Master's Degree in Advanced Esthetic and Laser Techniques. CEU Cardenal Herrera University - Moncada (Valencia) and NISA Hospitals Foundation (Valencia)
- ♦ Postgraduate course director: "Diploma in neonatal nursing and neonatal intensive care". CEU Cardenal Herrera University - Moncada (Valencia) and NISA Hospitals Foundation (Valencia)
- ♦ Postgraduate course coordinator: "First Aid, Cardiopulmonary Resuscitation and Emergency Situations Course". CEU Cardenal Herrera University - Moncada (Valencia)
- ♦ Erasmus coordinator for Medicine. CEU Cardenal Herrera University
- ♦ Personal tutor for international medical students. CEU Cardenal Herrera University - Moncada (Valencia)
- ♦ Entrepreneurship tutor for Medicine. CEU Cardenal Herrera University - Moncada (Valencia)
- ♦ Practice coordinator for Medicine. CEU Cardenal Herrera University - Moncada (Valencia)
- ♦ Coordinator for Medicine. CEU Cardenal Herrera University - Moncada (Valencia)
- ♦ NESTLÉ Award for Best Oral Communication, XXIV National Congress of the Spanish Society of Outpatient and Primary Care Pediatrics.

Professors

Alfaro Ramírez, Concepción

- ◆ Diploma in Nursing.
- ◆ Pediatric nurse. NICU and PICU
- ◆ Nursing supervisor. 9 de Octubre NISA Hospital. Valencia

Dr. Bendala Tufanisco, Elena

- ◆ Degree in Medicine and Surgery
- ◆ Degree in Biology
- ◆ Doctor in Biochemistry and Molecular Biology from the University of Valencia.
- ◆ Professor, Department of Biomedical Sciences, Faculty of Health Sciences, Cardenal Herrera-CEU University.

Dobón García, Ana María

- ◆ Law Degree
- ◆ Lawyer specializing in Medical and Health Law

Iranzo Cobo del Cabo, Rosana

- ◆ Degree in Nursing
- ◆ Professor of Nursing at Cardenal Herrera CEU University.

Juan Hidalgo, Alicia

- ◆ Degree in Psychology
- ◆ Clinical Psychologist
- ◆ Professor, Faculty of Psychology, University of Valencia.



Dr. Julve Chover, Natalia

- ◆ Degree in Medicine and Surgery
- ◆ Doctor of Medicine, University of Valencia
- ◆ Specialist in Child Neurology
- ◆ Associate Doctor of the Pediatrics Service and PICU-Neonatal. NISA
- ◆ Postgraduate in Neonatology

Dr. López Peña, Rafael

- ◆ Degree in Medicine and Surgery
- ◆ PhD in Medicine from the University of Valencia
- ◆ Specialist in Pediatrics, sub-specialist in PICU and NICU
- ◆ Postgraduate in Neonatology

Dr. Moreno, Lucrecia

- ◆ Degree in Pharmacy
- ◆ Vice-Dean of Pharmacy of the University Cardenal Herrera CEU
- ◆ Doctor in Pharmacy from the University of Valencia.
- ◆ Professor at Cardenal Herrera University CEU

Dr. Navarro Marí, Rosa María

- ◆ Degree in Medicine and Surgery
- ◆ Pediatrician.
- ◆ Associate Doctor of the Pediatrics Service and PICU-Neonatal. NISA.
- ◆ Postgraduate in Neonatology



Ribes Roldán, Sandra

- ◆ Degree in Nursing
- ◆ Nurse in Accident and Emergency department.
- ◆ 9 de Octubre NISA Hospital. Valencia, Spain

Dr. Rojas Otero, Lucila

- ◆ Degree in Medicine and Surgery
- ◆ Specialist in Pediatrics, sub-specialist in PICU and NICU
- ◆ Postgraduate in Neonatology

Roldán del Amo, Adela

- ◆ Diploma in Nursing.
- ◆ Pediatric nurse. NICU and PICU
- ◆ 9 de Octubre NISA Hospital. Valencia, Spain

Dr. Sanahuja Santafé, M^a Amparo

- ◆ Degree in Pharmacy
- ◆ Professor at the University Cardenal Herrera CEU
- ◆ Doctor in Pharmacy from the University of Valencia.

Silvestre Castelló, Dolores

- ◆ Graduate in Chemistry
- ◆ Associate Professor of Nutrition and Bromatology at Cardenal Herrera CEU University.
- ◆ Doctor in Chemical Sciences from the University of Valencia.
- ◆ Graduate in Food Technology (Consejo Superior Investigaciones Científicas)
- ◆ Postgraduate Degree in Nutrition, Dietetics and Diet Therapy from the University of Navarra.

04

Structure and Content

The structure of the contents has been designed by the team of professionals knowledgeable about the implications of training in daily nursing practice in the neonatal intensive care unit, aware of the relevance of current training in the professional, ensuring the approach of the main issues in the current development of care for the critical newborn patient.



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This Postgraduate Certificate in Newborn Feeding for Nurses contains the most complete and up to date scientific program on the market"

Module 1. Important Aspects of Neonatology

- 1.1. Differences between Newborn, Child and Adolescent.
- 1.2. Neonatal Stages.
 - 1.2.1. Neonatal Stages at Gestational Age.
 - 1.2.2. Neonatal Stages for Birthweight.
 - 1.2.3. Preterm Newborn.
 - 1.2.4. Post Term Newborn.
- 1.3. Anatomical and Physiological Characteristics of a Normal Newborn.
 - 1.3.1. Newborn Somatometry.
 - 1.3.2. Morphological Characteristics.
 - 1.3.3. Physiological Characteristics.
- 1.4. Complete Physical Examination of the Newborn.
 - 1.4.1. Physical Examination Process.
 - 1.4.2. General Observation.
 - 1.4.3. Head and Neck Region.
 - 1.4.4. Torso Region.
 - 1.4.5. Limb Region.
 - 1.4.6. Neurological Examination.
- 1.5. Structure and Organisation of the Neonatal Service.
 - 1.5.1. Location of the Neonatology Service.
 - 1.5.2. Equipment and Materials.
 - 1.5.3. Human Resources
 - 1.5.4. Concept of Neonatal Intensive Care Unit (NICU).
 - 1.5.4.1. Calculation and Layout of Cribs.
 - 1.5.4.2. Physical Space in a Neonatal Intensive Care Unit.
 - 1.5.4.3. Equipment and Material in a Neonatal Intensive Care Unit.
 - 1.5.4.4. Human resources in a Neonatal Intensive Care Unit.
 - 1.5.4.5. Profiles and Roles: "Nursing Team"
 - 1.5.4.6. Operating System "Primary Nursing"



Module 2. Newborn Feeding: Breastfeeding / Formula Feeding and Feeding of the Admitted NB

- 2.1. General Aspects of a Newborn's diet.
- 2.2. Requirements and Feeding Objectives of the Breastfeeding Infant.
- 2.3. Breastfeeding.
- 2.4. Enteral Nutrition.
 - 2.4.1. Indications for Enteral Feeding.
 - 2.4.2. Contraindications for Enteral Feeding.
 - 2.4.3. Enteral Feeding Methods.
- 2.5. Parenteral Nutrition
 - 2.5.1. Indications for Parenteral Feeding.
 - 2.5.2. Contraindications for Parenteral Feeding.
 - 2.5.3. Vein Administration Routes.
 - 2.5.4. Recommendations for the Monitoring of Administration Routes.
 - 2.5.5. Components of Parenteral Nutrition.
 - 2.5.6. Preparation and Administration of Parenteral Nutrition.
 - 2.5.7. Controls.
 - 2.5.8. Complications.
 - 2.5.9. Withdrawal of Parenteral Nutrition.



*A unique, key, and decisive
Training experience to boost your
professional development"*



05

Methodology

Our **Postgraduate Certificate in Newborn Feeding for Nurses** offers you an innovative method to strengthen your clinical competencies based on the study of clinical cases and content in a cyclical manner. This method has been the most widely used learning system by the most prestigious nursing schools in the world and by relevant publications such as the New England Journal of Medicine.



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This type of teaching-learning encourages curiosity and skill development, as well as allowing the nursing professional to feel like an active part of the process"

At TECH Nursing School we use the Case Method

In a given clinical situation, what would you do? Throughout the program, you will be presented with multiple simulated clinical cases based on real patients, where you will have to investigate, establish hypotheses and, finally, resolve the situation. There is abundant 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 university program.



Re-Learning Methodology

At TECH we enhance the Harvard case method with the best 100% online teaching methodology available: Re-learning.

Our 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, which represent a real revolution with respect to simply studying and analyzing 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 Re-learning method has managed to improve the overall satisfaction levels of professionals who complete their studies, with respect to the quality indicators of the best Spanish-speaking online university (Columbia University).

With this methodology we have trained more than 175,000 nurses with unprecedented success, in all specialties regardless of from the workload. All this in a highly demanding environment, where the students have a strong socio-economic profile and an average age of 43.5 years.

Re-learning 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 (we learn, unlearn, forget, and re-learn). Therefore, we combine each of these elements concentrically.

The overall score obtained by our learning system is 8.01, according to the highest international standards.



In this course you will have access to the best educational material, prepared with you in mind:



Study Material

After a complex production process, we transform the best content into high-quality educational and audiovisual multimedia. We select the best syllabus and make it available to you. Everything you need to acquire in-depth knowledge of a discipline, from A to Z. Lessons written and chosen by specialists in each of the disciplines.



Surgical techniques and clinical procedures on video

We bring you closer to the newest techniques, to the latest scientific advances, to the forefront of nursing news. All this, in first person, with the maximum rigor, explained and detailed for your assimilation and understanding. And best of all, you can watch them as many times as you want.



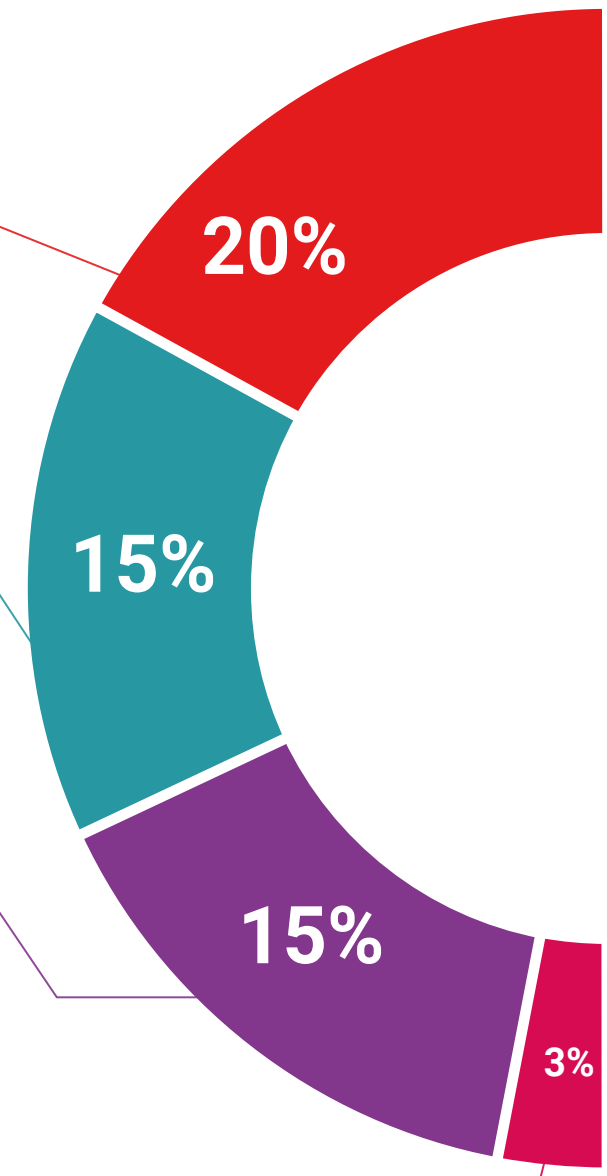
Interactive Summaries

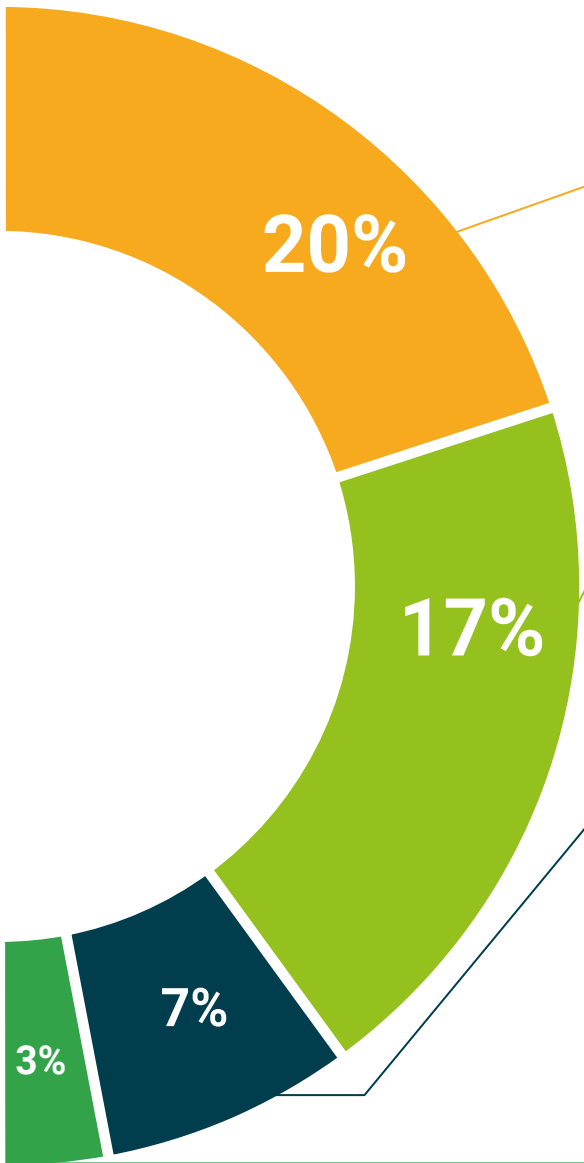
We present the contents attractively and dynamically in multimedia lessons that include audio, videos, images, diagrams, and concept maps in order to reinforce knowledge. This unique training system for presenting multimedia content was awarded by Microsoft as a "European Success Story".



Additional Reading

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





Expert-led case studies and case analysis

Through the narratives of expert professionals, it is possible to acquire a high degree of understanding of the most frequent problematic situations. The professional's healthcare practice is not alien to the context in which it takes place. If we want to train ourselves to improve our professional practice, this training must be situated within the context in which it takes place.



Testing & Re-Testing

We periodically evaluate and re-evaluate your knowledge throughout this program through activities and evaluative exercises.



Classes

There is scientific evidence on the usefulness of third-party expert observation. Learning from an expert strengthens knowledge and recall, and generates confidence in our future difficult decisions



Quick Action Guides

One of the most important functions of our team is to select those contents considered essential and present them in the form of worksheets or quick action guides to facilitate their understanding.



06

Certificate

The Postgraduate Certificate in Newborn Feeding for Nurses guarantees you, in addition to the most rigorous and up to date training, access to a Postgraduate Certificate issued by **TECH Technological University**.





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

This **Postgraduate Certificate in Newborn Feeding for Nurses** contains the most complete and up to date scientific program on the market.

After the student has passed the evaluations, they will receive by mail with acknowledgment of receipt their corresponding Postgraduate Certificate issued by **TECH Technological University**.

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

Title: **Postgraduate Certificate in Newborn Feeding for Nurses**

ECTS: 5

Official Number of Hours: 125



*Apostille Convention. In the event that the student wishes to have their paper diploma issued with an apostille, TECH EDUCATION will make the necessary arrangements to obtain it, at an additional cost.

future
health confidence people
education information tutors
guarantee accreditation teaching
institutions technology learning
community commitment
personalized service innovation
knowledge present
development language
classroom

tech technological
university

Postgraduate Certificate
Newborn Feeding for
Nurses

Course Modality: Online

Duration: 5 weeks

Accreditation: TECH Technological University

5 ECTS

Teaching Hours: 125 hours.

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