



Professional Master's Degree

Nutritional Genomics and Precision Nutrition for Nursing

» Modality: online

» Duration: 12 months

» Certificate: TECH Technological University

» Dedication: 16h/week

» Schedule: at your own pace

» Exams: online

Website: www.techtitute.com/pk/nursing/professional-master-degree/master-nutritional-genomics-precision-nutrition-nursing

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Prevention has become one of the most important weapons in the field of health. An innovation that the latest scientific advances have dramatically boosted and that, in the case of nutrition, have led to a revolution in the way pathologies and therapies are approached. Nutrigenomics, with its revolutionary approach, has opened up a line of work of great interest, revealing the interaction between food and health from a genetic point of view. This high quality training compiles the necessary knowledge to act with the skills of an expert in this form of work. A special program created for nurses that will be a spectacular boost to the excellence of any practitioner.



tech 06 | Introduction

The Professional Master's Degree program in Nutritional Geonomics and Precision Nutrition for Nursing is unique because it includes a wide range of innovative topics and state-of-the-art results in the field of nutrigenetics and nutrigenomics.

The training program details everything a health professional needs to know about this new specialty. The material is organized in such a way as to advance knowledge without leaving any doubts or gaps in information. It is the best training on the market, because it offers the opportunity to learn online all the innovation in the field of genomic nutrition, including specific modules on laboratory techniques and statistics.

The content includes everything new in the broad field of nutritional genomics such as nutrigenetics, nutrigenomics, epigenetics, metabolomics, market status and laboratory techniques, among others. There is a selection of scientific articles, high-level studies, innovative results and books that the student will be able to access and study.

In addition, this Professional Master's Degree has the innovation of including practical sections on the current state of the market that offer a realistic, practical and updated view for the health professional who needs a 360° vision of the subject. The practical topics help to obtain the necessary critical capacity and deep knowledge of the subject matter for the student to use and apply it in their clinical practice.

This Professional Master's Degree provides students with specific tools and skills to successfully develop their professional activity related to genomic and precision nutrition.

As it is an online Professional Master's Degree, the student is not bound by fixed schedules or the need to move to another physical location, rather, they can access the content at any time of the day, balancing their professional or personal life with their academic life.

This Professional Master's Degree in Nutritional Genomics and Precision Nutrition for Nursing contains the most complete and up-to-date scientific program on the market. The most important features of the program include:

- The development of case studies presented by experts in Genomic and Precision Nutrition
- The graphic, schematic, and eminently practical contents with which they are created contain information that is indispensable for professional practice
- Practical exercises where the self-assessment process can be carried out to improve learning
- Special emphasis on innovative methodologies in Nutritional Genomics and Precision Nutrition
- 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



Get trained in the broad field of nutritional genomics and offer specialized advice to your patients"



This Professional Master's Degree is the best investment you can make in selecting a refresher program to update your knowledge in Nutritional Genomics and Precision Nutrition for Nursing"

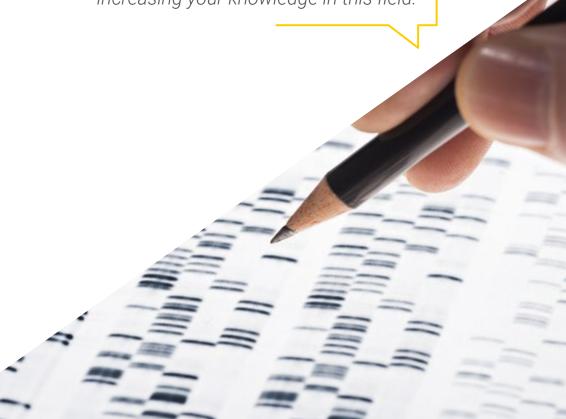
Its teaching staff includes professionals belonging to the field of nutrition, who contribute their work experience to this training, as well as renowned specialists from reference societies and prestigious universities.

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 training programmed to train 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. To do so, the professional will be assisted by a innovative interactive video system created by renowned and experienced experts in Genomic and Precision Nutrition.

The Professional Master's Degree provides training in simulated environments, which provides immersive learning designed to train professionals for real situations.

This 100% online Professional Master's Degree will allow you to combine your studies with your professional work while increasing your knowledge in this field.







tech 10 | Objectives



General Objectives

- Acquire theoretical knowledge of human population genetics
- Acquire knowledge of genomic and precision nutrition to be able to apply it in practice
- Learn the development of this novel field and the key findings that contributed to its development
- Know in which pathologies and conditions of human life Genomic and Precision Nutrition can be applied
- To evaluate individual response to nutrition and dietary patterns in order to promote health and disease prevention
- Learn how nutrition influences gene expression in humans
- Learn about new concepts and future trends in the field of Genomic and Precision Nutrition
- Adapt personalized dietary and lifestyle habits according to genetic polymorphisms
- Provide health professionals with all the updated knowledge in the field of Genomic and Precision Nutrition in order to know how to apply it in their professional activity
- Put all the updated knowledge in perspectiveWhere we are now and where we are headed so that the student can appreciate the ethical, economic and scientific implications in the field





Module 1. Introduction to Genomic and Precision Nutrition

- Present definitions necessary to follow the thread of the following modules
- Explain relevant points of human DNA, nutritional epidemiology, scientific method
- Analyze key studies in Genomic Nutrition

Module 2. Laboratory Techniques for Nutritional Genomics

- Understand the techniques used in Nutritional Genomics Studies
- Acquiring the latest advances in Bioinformatics and Biomedical techniques

Module 3. Biostatistics for Genomic Nutrition

- Acquire the necessary knowledge to correctly design experimental studies in the areas of Nutrigenomics and Nutrigenetics
- Deepen your knowledge about statistical models for clinical studies in humans

Module 4. Nutrigenetics I

- Acquire the latest knowledge on population genetics
- Understand how the basis for the interaction between Genetic Variability and Diet is generated
- Introduce the advanced Circadian Control System and Central and Peripheral Clocks

Module 5. Nutrigenetics II - Key Polymorphisms

- Present the Key Polymorphisms to date related to Human Nutrition and Metabolic Processes that the health practitioner needs to know about
- Analyze the Key Studies that support these Polymorphisms and the debate, where it exists

Module 6. Nutrigenetics III

- Present the Key Polymorphisms to date related to Complex Diseases that depend on Nutritional Habits
- Introduce new Advanced Concepts in Nutrigenetic Research

Module 7. Nutrigenomics.

- Deepen in the Differences between Nutrigenetics and Nutrigenomics
- Present and Analyze Genes related to Metabolic Processes affected by Nutrition

Module 8. Metabolomics-Proteomics

- Know the Principles of Metabolomics and Proteomics
- Go in depth into the microbiota as a tool for preventive and personalized nutrition

Module 9. Epigenetics

- Exploring the Basis of the Relationship between Epigenetics and Nutrition
- Present and Analyze how MicroRNAs are Involved in Genomic Nutrition

Module 10. Current Market State

- Present and Analyze Key Aspects for the Application of Genomic Nutrition in Society
- Reflect and Analyze Past and Present Cases and Anticipate Future Market Developments in the Field of Genomic Nutrition



After passing the evaluations of the **Professional Master's Degree in Nutritional** Genomics and Precision Nutrition for Nursing, the practitioner will have acquired the necessary skills for a quality and updated praxis based on the most innovative didactic methodology.



tech 14 | Skills

After completing this training, the individual will be able to:



General Skills

- Conduct individual reflective work on new nutrigenetics and precision nutrition data
- Study and evaluate current controversial issues on this subject
- Evaluate and use commercially available Genomic and Precision Nutrition tools in your clinical practice



Take the step and join one of the largest online universities in the world"





Specific Skills from the Degree

- Distinguishing between Nutrigenetics and Nutrigenomics
- Possess and understand original knowledge within the broader context of nutrition
- · Apply critical, logical and scientific thinking to nutritional recommendations
- Understand the global context of Genomic and Precision Nutrition
- In-depth knowledge of all fields of Genomic and Precision Nutrition, its history and future applications
- Acquire the latest advances in nutritional research
- Know the strategies used in research to identify the loci and genetic variants studied by Nutrigenetics
- Know how the advances in Genomic Nutrition were generated and what skills are necessary to keep constantly up to date
- Formulate new hypotheses and work in an inter-disciplinary manner
- Integrate knowledge and deal with the complexity of data, evaluate relevant literature to incorporate scientific advances into your own professional field

- Understand how the scientific knowledge of Nutrigenetics and Nutrigenomics is translated and applied to clinical use in today's society
- Apply knowledge of Genomic Nutrition for the promotion of health
- Know the theory of basic laboratory techniques used in genomic nutrition
- Know the basis of statistical analyses used in Genomic Nutrition
- Know the current state of the market in the field of Genomic Nutrition
- Know the trends in the field of Genomic Nutrition
- Understand the process of discovering new Genetic Nutrition data and the process of evaluating it prior to use
- Go in depth in the analysis of different types of studies in genetic epidemiology in order to be able to perform an adequate interpretation of the articles published in this field and identify the limitations of each type of study





Management



Dr. Konstantinidou, Valentini

- Din Biomedicine
- Lecturer in Nutrigenetics
- Founder of DNANUTRICOACH®
- Dietitian-Nutritionist
- Food Technologist

Professors

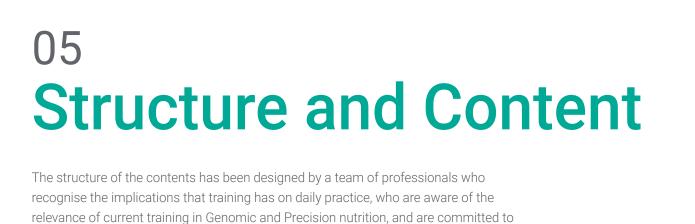
Mr. Anglada, Roger

- Graduate in MultimediaPolytechnic University of Catalonia
- Senior Technician in Analysis and ControlNarcís Monturiol HSI, Barcelona
- Senior research support technician at the Genomics Service of the Pompeu Fabra
 University where he is responsible for the equipment and devices for sequencing and
 real-time PCR, providing support to users from different centers both in the design and
 interpretation of the results
- Co-author of several scientific publications since 2002He combines his work with lectures and teaching both at Pompeu Fabra University and in different programs and courses

Dr. García Santamarina, Sarela

- D. in Biomedical Research Pompeu Fabra University, Barcelona, Spain. 2008-2013
- Master's in Molecular Biology of Infectious Diseases. London School of Hygiene & Tropical Medicine, London, United Kingdom. 2006-2007
- Master's in Biochemistry and Molecular Biology. Autonomous University of Barcelona, Spain. 2003-2004
- Degree in Chemistry. Specialty in Organic Chemistry. University of Santiago de Compostela, Spain. 1996-2001
- Postdoctoral Researcher EIPOD Marie Curie. Mentoring: Dr. Athanasios Typas, Dr. Peer Bork, and Dr. Kiran Patil. Project: "Effects of drugs on intestinal flora". European Molecular Biology Laboratory (EMBL), Heidelberg, Germany. Since 2018





quality teaching using new educational technologies.



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Module 1. Introduction to Genomic and Precision Nutrition

- 1.1. Human Genome
 - 1.1.1. DNA discovery
 - 1.1.2. Year 2001
 - 1.1.3. Human Genome Project
- 1.2. Variations of Interest in Nutrition
 - 1.2.1. Genomic Variations and the Search for Disease Genes.
 - 1.2.2. Environmental vs. Genetic Factors and Heritability
 - 1.2.3. Differences between SNPs, Mutations and CNVs
- 1.3. The Genome of Rare and Complex Diseases
 - 1.3.1. Examples of Rare Diseases
 - 1.3.2. Examples of Complex Diseases
 - 1.3.3. Genotype and Phenotype
- 1.4. Precision Medicine
 - 1.4.1. Influence of Genetics and Environmental Factors in Complex Diseases
 - 1.4.2. Need for Precision The problem of Missing Heritability Definition of Interaction
- 1.5. Precision Nutrition vs. Community Nutrition
 - 1.5.1. The Principles of Nutritional Epidemiology
 - 1.5.2. Current Bases of Nutritional Research
 - 1.5.3. Experimental Designs in Precision Nutrition
- 1.6. Levels of Scientific Evidence
 - 1.6.1. Epidemiological Pyramid
 - 1.6.2. Regulation:
 - 1.6.3. Official Guides
- 1.7. Consortia and Major Studies in Human Nutrition and Genomic Nutrition
 - 1.7.1 Project Precision4Health
 - 1.7.2. Framingham
 - 1.7.3. PREDIMED
 - 1.7.4. CORDIOPREV



- 1.8. Current European Studies
 - 1.8.1. PREDIMED Plus
 - 1.8.2. NU-AGE
 - 1.8.3. FOOD4me
 - 1.8.4. EPIC

Module 2. Laboratory Techniques for Nutritional Genomics

- 2.1. Molecular Biology Laboratory
 - 2.1.1. Basic Instructions
 - 2.1.2. Basic Material
 - 2.1.3. Accreditations Required in the US
- 2.2. DNA Extraction
 - 2.2.1. From Saliva
 - 2.2.2. From Blood
 - 2.2.3. From Other Fabrics
- 2.3. Real-Time PCR
 - 2.3.1. Introduction History of the Method
 - 2.3.2. Basic Protocols Used
 - 2.3.3. Most Used Equipment
- 2.4. Sequencing
 - 2.4.1. Introduction History of the Method
 - 2.4.2. Basic Protocols Used
 - 2.4.3. Most Used Equipment
- 2.5. High-throughput
 - 2.5.1. Introduction History of the Method
 - 2.5.2. Examples of Human Studies
- 2.6. Gene Expression Genomics Transcriptomics
 - 2.6.1. Introduction History of the Method
 - 2.6.2 Microarrays
 - 2.6.3. Microfluidic Cards
 - 2.6.4. Examples of Human Studies

- 2.7. Omics Technologies and their Biomarkers
 - 2.7.1. Epigenomics
 - 2.7.2. Proteomics
 - 2.7.3. Metabolomics
 - 2.7.4. Metagenomics
- 2.8. Bioinformatics Analysis
 - 2.8.1. Pre- and post-Computing Bioinformatics Programs and Tools
 - 2.8.2. GO Terms, Clustering of DNA Microarray Data
 - 2.8.3. Functional Enrichment, GEPAS, Babelomics

Module 3. Biostatistics for Genomic Nutrition

- 3.1. Biostatistics
 - 3.1.1. Human Studies Methodology
 - 3.1.2. Introduction to Experimental Design
 - 3.1.3. Estudios clínicos
- 3.2. Statistical Aspects of a Protocol
 - 3.2.1. Introduction, Objectives, Description of Variables
 - 3.2.2. Quantitative Variables
 - 3.2.3. Oualitative Variables
- 3.3. Design of Clinical Studies in Humans, Methodological Guidelines
 - 3.3.1. Designs with 2 treatments 2x2
 - 3.3.2. Designs with 3 treatments 3x3
 - 3.3.3. Parallel, Cross-Over and Adaptive Design
 - 3.3.4. Sample Size Determination and Power Analysis
- 3.4. Evaluation of Treatment Effect
 - 3.4.1. For Parallel Design, for Repeated Measurements, for Cross-Over Design
 - 3.4.2. Randomization of the Order of Treatment Allocation
 - 3.4.3. Carry-Over Effect (Wash Out)
- 3.5. Descriptive Statistics, Hypothesis Testing, Risk Calculation
 - 3.5.1. Consort, Populations
 - 3.5.2. Study Populations
 - 3.5.3. Grupo control
 - 3.5.4. Subgroup Analysis Types of Studies

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3.6.	Statisti	Statistical Errors			
	3.6.1.	Measurement Errors			
	3.6.2.	Random Error			
	3.6.3.	Systematic Error			

- .7. Statistical Bias
 - 3.7.1. Selection Bias3.7.2. Observation Bias
 - 3.7.3. Sesgo de asignación
- 3.8. Statistical Modeling
 - 3.8.1. Continuous Variable Models
 - 3.8.2. Categorical Variables Models
 - 3.8.3. Linear Mixed Models
 - 3.8.4. Missing data, Flow of Participants, Presentation of Results
 - 3.8.5 Adjustment for Baseline Values, Transformation of Response Variable: Differences, Ratios, Logarithms, Carry-Over Evaluation
- 3.9. Statistical Modeling with Co-Variables
 - 3.9.1. ANCOVA
 - 3.9.2. Logistic Regression for Binary and Count Variables
 - 3.9.3. Multi-Variant Analysis
- 3.10. Statistical Programs
 - 3.10.1. The R
 - 3.10.2. SPSS

Module 4. Nutrigenetics I

- 4.1. Nutrigenetics Authorities and Organizations
 - 4.1.1. NUGO
 - 4.1.2. ISNN
 - 4.1.3. Evaluation Committees
- 4.2. GWAS I Studies
 - 4.2.1 Population Genetics Design and Use
 - 4.2.2. Hardy-Weinberg Law
 - 4.2.3. Linkage Imbalance

- 4.3. GWAS II
 - 4.3.1. Allelic and Genotypic Frequencies
 - 4.3.2. Gene-Disease Association Studies
 - 4.3.3. Association Models (Dominant, Recessive, Co-dominant)
 - 4.3.4. Genetic Scores
- 4.4. The Discovery of Nutrition-Related SNPs
 - 4.4.1. Key Studies-Design
 - 4.4.2. Main Results
- 4.5. The Discovery of SNPs Associated with Nutrition-Related Diseases (Diet-Depended)
 - 4.5.1. Cardiovascular Diseases
 - 4.5.2. Diabetes Mellitus Type II
 - 4.5.3. Metabolic Syndrome
- 4.6. Main Obesity-Related GWAS
 - 4.6.1. Strengths and Weaknesses
 - 4.6.2. The FTO Example
- 4.7. Circadian Control of Intake
 - 4.7.1. Gut-Brain Axis
 - 4.7.2. Molecular and Neurological Basis of the Brain-Gut Connection
- 4.8. Chronobiology and Nutrition
 - 4.8.1. Central Clock
 - 4.8.2. Peripheral Clocks
 - 4.8.3. Circadian Rhythm Hormones
 - 4.8.4. Intake Control (Leptin and Ghrelin)
- 4.9. SNPs related to Circadian Rhythms
 - 4.9.1. Regulatory Mechanisms of Satiety
 - 4.9.2. Hormones and Intake Control
 - 4.9.3. Possible Pathways Involved

Module 5. Nutrigenetics II - Key Polymorphisms

- 5.1. Obesity-Related SNPs
 - 5.1.1. The Story of the "Obese Monkey
 - 5.1.2. Appetite Hormones
 - 5.1.3. Thermogenesis
- 5.2. Vitamin-Related SNPs
 - 5.2.1. Vitamin D
 - 5.2.2. B Complex Vitamins
 - 5.2.3. Vitamin E
- 5.3. Exercise-Related SNPs
 - 5.3.1. Strength vs. Competition
 - 5.3.2. Sports Performance
 - 5.3.3. Injury Prevention/Recovery
- 5.4. Oxidative Stress/Detoxification-related SNPs
 - 5.4.1. Genes Encoding Enzymes
 - 5.4.2. Anti-Inflammatory Processes
 - 5.4.3. Phase I+II of Detoxification
- 5.5. SNP related to Addictions
 - 5.5.1. Caffeine
 - 5.5.2. Alcohol
 - 5.5.3. Salt
- 5.6. SNP related to Flavor
 - 5.6.1. Sweet Taste
 - 5.6.2. Salty Taste
 - 5.6.3. Bitter Taste
 - 5.6.4. Acid Taste
- 5.7. SNP vs Allergies vs Intolerances
 - 5.7.1. Lactose
 - 5.7.2. Gluten
 - 5.7.3. Fructose
- 5.8. PESA Study

Module 6. Nutrigenetics III

- 6.1. SNPs Predisposing to Complex Nutrition-Related Diseases Genetic Risk Scores (GRS)
- 6.2. Type II Diabetes
- 6.3. Hypertension
- 6.4. Arteriosclerosis
- 6.5. Hyperlipidemia
- 6.6. Cancer
- 6.7. The Exposome Concept
- 6.8. Metabolic Flexibility Concept
- 6.9. Current Studies-Challenges for the Future

Module 7. Nutrigenomics

- 7.1. Differences and Similarities with Nutrigenetics
- 7.2. Bioactive Components of Diet on Gene Expression
- 7.3. The Effect of Micro and Macro Nutrients on Gene Expression
- 7.4. The Effect of Dietary Patterns on Gene Expression
 - 7.4.1. The Mediterranean Diet Example
- 7.5. Main Studies in Gene Expression
- 7.6. Genes related to Inflammation
- 7.7. Genes related to Insulin Sensitivity
- 7.8. Genes related to Lipid Metabolism and Adipose Tissue Differentiation
- 7.9 Genes related to Arteriosclerosis
- 7.10. Genes related to the Myosceletal System

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Module 8. Metabolomics-Proteomics

- 8.1. Proteomics
 - 8.1.1. Principles of Proteomics
 - 8.1.2. The Flow of Proteomics Analysis
- 8.2. Metabolomics
 - 8.2.1. Principles of Metabolomics
 - 8.2.2. Targeted Metabolomics
 - 8.2.3. Non-Targeted Metabolomics
- 8.3. The Microbiome/Microbiota
 - 8.3.1. Microbiome Data
 - 8.3.2. Human Microbiota Composition
 - 8.3.3. Enterotypes and Diet
- 8.4. Main Metabolomic Profiles
 - 8.4.1 Application to Disease Diagnosis
 - 8.4.2. Microbiota and Metabolic Syndrome
 - 8.4.3. Microbiota and Cardiovascular Diseases Effect of the Oral and Intestinal Microbiota
- 8.5. Microbiota and Neurodegenerative Diseases
 - 8.5.1. Alzheimer's Disease
 - 8.5.2. Parkinson's Disease
 - 8.5.3. ALS
- 8.6. Microbiota and Neuropsychiatric Diseases
 - 8.6.1. Schizophrenia
 - 8.6.2. Anxiety, Depression, Autism,
- 8.7. Microbiota and Obesity
 - 8.7.1. Enterotypes
 - 8.7.2. Current Studies and State of Knowledge

Module 9. Epigenetics

- 9.1. History of Epigenetics The way I feed my Grandchildren's Inheritance
- 9.2. Epigenetics vs Epigenomics
- 9.3. Methylation
 - 9.3.1. Examples of Folate and Choline, Genistein
 - 9.3.2. Examples of Zinc, Selenium, Vitamin A, Protein Restriction
- 9.4. Histone Modification
 - 9.4.1. Examples of Butyrate, Isothiocyanates, Folate and Choline
 - 9.4.2. Examples of Retinoic Acid, Protein Restriction
- 9.5. MicroRNA
 - 9.5.1. Biogenesis of MicroRNAs in Humans
 - 9.5.2. Mechanisms of Action-Regulating Processes
- 9.6. Nutrimiromics
 - 9.6.1. Diet-Modulated MicroRNAs
 - 9.6.2. MicroRNAs involved in Metabolism
- 9.7. Role of MicroRNAs in Diseases
 - 9.7.1. MicroRNA in Tumorogenesis
 - 9.7.2. MicroRNAs in Obesity, Diabetes and Cardiovascular Diseases
- 9.8. Gene Variants that Generate or Destroy Binding Sites for MicroRNAs
 - 9.8.1. Main Studies
 - 9.8.2. Results in Human Diseases
- 9.9. MicroRNA Detection and Purification Methods
 - 9.9.1. Circulating MicroRNAs
 - 9.9.2. Basic Methods Used

Module 10. Current Market State

- 10.1. Legal Aspects
- 10.2. Ethical Aspects
- 10.3. DTC (Direct-to-consumer) Tests
 - 10.3.1. Pros and Cons
 - 10.3.2. Myths of Early DTCs
- 10.4. Quality Criteria for a Nutrigenetic Test
 - 10.4.1. SNP Selection
 - 10.4.2. Interpretation of Results
 - 10.4.3. Laboratory Accreditations
- 10.5. Health Professionals
 - 10.5.1. Training Needs
 - 10.5.2. Criteria of Professionals Applying Genomic Nutrition
- 10.6. Nutrigenomics in the Media
- 10.7. Integration of Evidence for Personalized Nutritional Counseling
- 10.8. Critical Analysis of the Current Situation
- 10.9. Discussion Work
- 10.10. Conclusions, use of Genomic and Precision Nutrition as Prevention



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



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.

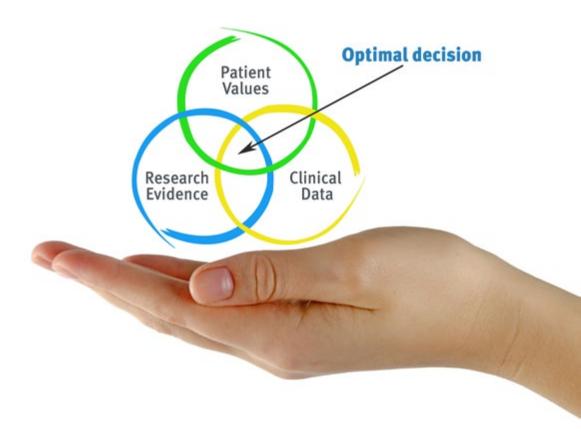


tech 30 | Methodology

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.



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:

- 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.



Methodology | 33 tech

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

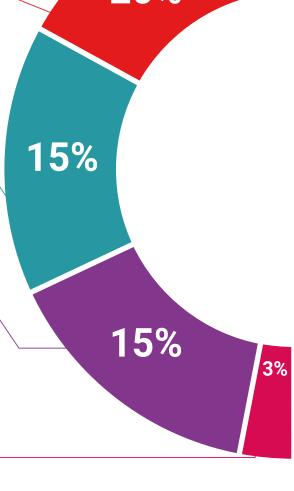
We introduce you to the latest techniques, to the latest educational advances, to the forefront of current medical techniques. All of this in direct contact with students and explained in detail so as to aid their assimilation and understanding. And best of all, you can watch them as many times as you 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.



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



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

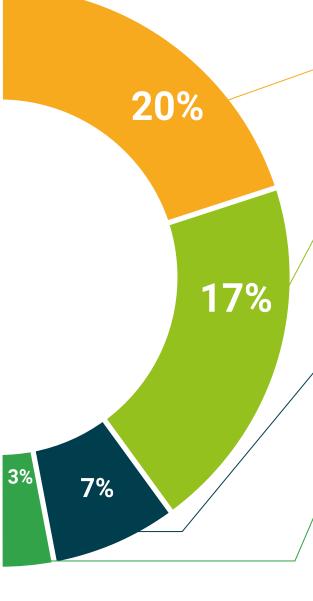
There is scientific evidence suggesting that observing third-party experts can be useful.

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.







tech 38 | Certificate

This **Professional Master's in Nutritional Genomics and Precision Nutrition for Nursing** contains the most complete and up-to-date scientific program on the market.

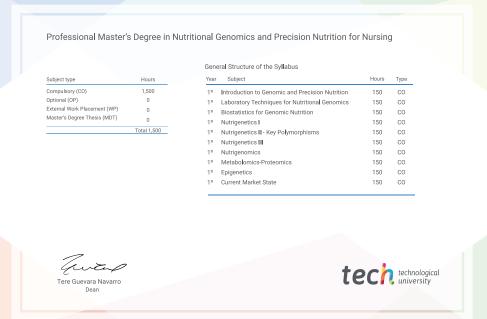
After the student has passed the assessments, they will receive their corresponding **Professional Master's Degree** issued by **TECH - Technological University** by tracked delivery*.

The certificate issued by **TECH Technological University** will reflect the qualification obtained in the Professional Master's Degree, and meets the requirements commonly demanded by labor exchanges, competitive examinations and professional career evaluation committees.

Title: Professional Master's Degree in Nutritional Genomics and Precision Nutrition for Nursing

Official Number of Hours: 1,500 h.





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

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- » Duration: 12 months
- » Certificate: TECH Technological University
- » Dedication: 16h/week
- » Schedule: at your own pace
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