

Postgraduate Diploma

Physical and Human Geography



Postgraduate Diploma Physical and Human Geography

Course Modality: Online

Duration: 6 months

Certificate: TECH Technological University

Official N° of Hours: 600 h.

Website: www.techtute.com/in/geography-history/postgraduate-certificate/physical-human-geography

Index

01

Introduction

p. 4

02

Objectives

p. 8

03

Structure and Content

p. 12

04

Methodology

p. 18

05

Certificate

p. 26

01

Introduction

Approach the different territories of human and physical geography with this prestigious Postgraduate Diploma and gain practical knowledge of various geospatial techniques.





“

This 100% online Postgraduate Diploma offers a practical knowledge update on world geography, both physical and human, without sacrificing the highest scientific and academic rigor”

This program journeys through Africa, America, Europe, Asia and Oceania, their morphology and activity, to update student knowledge based on the latest scientific evidence provided by the age of satellites and technological precision instruments.

Urban environments, sustainability or migratory movements, are flows of human development that are circumscribed to their regions in specific ways, thus affecting the morphology of the territories themselves. Cultural geography, sensitive to the technology mentioned above, is key at a time when digital technologies permeate all spheres of our lives and substantially change our communication and geographical positioning in the world.

This program is aimed at those interested in attaining a higher level of knowledge of world and European geography. Take advantage of the opportunity to take this educational program in a 100% online format, without having to give up obligations, and making it easy to continue studying. Update your knowledge and obtain a Postgraduate Diploma to continue growing both personally and professionally.

This **Postgraduate Diploma in Physical and Human Geography** contains the most complete and up-to-date educational program on the market. The most important features include:

- ◆ 100 simulated scenarios presented by experts in geography
- ◆ The graphic, schematic and practical contents with which they are conceived, provide scientific and practical information on physical and human world geography
- ◆ The latest advances physical geographic concreteness and the current situation of human geography in different territories
- ◆ Contains practical exercises where the self-evaluation process can be carried out to improve learning
- ◆ Interactive learning system based on the case method and its application to real practice
- ◆ All of 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



This program will enhance your skills and update your knowledge of world geography”

“

This Postgraduate Diploma is perfect for you to learn about the geographic reality of the world and human behavior in its distribution and organization”

The teaching staff includes professionals in geography, who pour into this training program the experience of their work, in addition to recognized specialists belonging to reference societies and prestigious universities.

Thanks to its multimedia content developed with the latest educational technology, they will allow the professional a situated and contextual learning, that is to say, a simulated environment that will provide immersive learning programmed to learn in real situations.

Problem-Based Learning underpins this program design, whereby must use it to try and solve the different professional practice situations that arise throughout the Postgraduate Diploma. To that end, they will be assisted by an innovative, interactive video system created by renowned experts in physical and human geography, who also have extensive teaching experience.

Make the most of the latest educational technology to update on physical and human geography without leaving the home.

You will have the best educational resources, taught by experts in the sector.



02 Objectives

This program is aimed at those interested in conducting a detailed study of the world around us, orography, geopolitics or human behavior in the distribution and activity of human populations. Our students will update on the trends in population development, studying issues that constitute the forefront of the discipline in depth.





“

The Postgraduate Diploma in Physical and Human Geography is aimed at those who are interested in learning more about the world around us”



General Objective

- ◆ Attain the level of knowledge required to master world geography at the physical and human levels from a global perspective, with special emphasis on the European context and a vision of the urban organization of territories





Specific Objectives

Module 1. Human Geography I

- ◆ Become familiar with the thematic contents of human geography, its epistemological development and research methods
- ◆ Understand the main world demo-geographical processes at different scales
- ◆ Relate and integrate demographic and socio-cultural processes
- ◆ Understand the formation and evolution of geographic thought within the framework of scientific knowledge

Module 2. Physical Geography I

- ◆ Convey ideas, problems, and solutions to both specialized and non-specialized audiences
- ◆ Use the terminology and techniques accepted in scientific and professional geography
- ◆ Understand the interrelation between geographic phenomena
- ◆ Understand the components, structures and processes of natural systems from a global perspective

Module 3. Physical Geography II

- ◆ Correctly use specific terminology in physical geography
- ◆ Know and interpret the new uses of territory and landscape
- ◆ Acquire awareness of the territorial implications of anthropogenic and environmental processes
- ◆ Plan and manage territories
- ◆ Analyze, interpret and value territories

Module 4. Human Geography II

- ◆ Demonstrate knowledge and critical understanding of the various forms of representation of human and physical environments
- ◆ Achieve a comprehensive view of the urban and rural world at different scale
- ◆ Become familiar with human economic geography
- ◆ Understand the importance of territory in socio-economic processes



A boost to your CV that will give you the competitiveness of the best-trained professionals in the job market”

03

Structure and Content

The content has been designed and structured by a team of professionals in physical and human geography, who are aware of the current relevance of specialization to delve into this area of knowledge with the purpose of enriching students and raising their level of knowledge of world geography through the latest educational technologies available.



“

This Postgraduate Diploma in Physical and Human Geography contains the most and up-to-date program on the market”


Module 1. Human Geography I

- 1.1. Human Geography
 - 1.1.1. Definition
 - 1.1.2. Human Geography Methodology
 - 1.1.3. Population Geography in the Evolution of Geographic Thought
 - 1.1.4. Different Stages in the Discipline
 - 1.1.5. Main Topics of Study
- 1.2. Statistical Knowledge of Populations
 - 1.2.1. Historical Demography
 - 1.2.2. Historical and Methodological Sources
 - 1.2.3. Civil and Religious Sources
- 1.3. Demographic Statistical Sources
 - 1.3.1. Other Statistics
 - 1.3.2. Demographic Surveys
- 1.4. World Population Growth
 - 1.4.1. Spatial Distribution of the Population on Earth
 - 1.4.2. The Great Imbalances on Earth
- 1.5. Vital Statistics
 - 1.5.1. Natural Population Movements
 - 1.5.2. World Population Dynamics
 - 1.5.3. Birth Rates
 - 1.5.4. Marriage
 - 1.5.5. Mortality
 - 1.5.6. Fertility
 - 1.5.7. Life Expectancy
- 1.6. Population Structures by Sex and Age
 - 1.6.1. Analysis Techniques
 - 1.6.2. Temporal and Spatial Variations of Structures by Sex and Age
 - 1.6.3. Population Ageing

- 1.7. Special Population Mobility
 - 1.7.1. Definition of Migration
 - 1.7.2. Types of Migrations
 - 1.7.3. Current Migrations
 - 1.7.4. Refugee Movements
- 1.8. Socio-Economic Structures
 - 1.8.1. Population and Economic Activity
 - 1.8.2. Socio-Professional and Educational Levels
 - 1.8.3. Employment, Unemployment and Underemployment
- 1.9. The Workforce
 - 1.9.1. Definition
 - 1.9.2. Classification Criteria
 - 1.9.3. Evolution and Study of Activity Sectors
- 1.10. The Invisibility of Female Labor Market Participation in Official Statistics
 - 1.10.1. Introduction.
 - 1.10.2. The Invisibility of Female Labor Market Participation in Official Statistics

Module 2. Physical Geography I

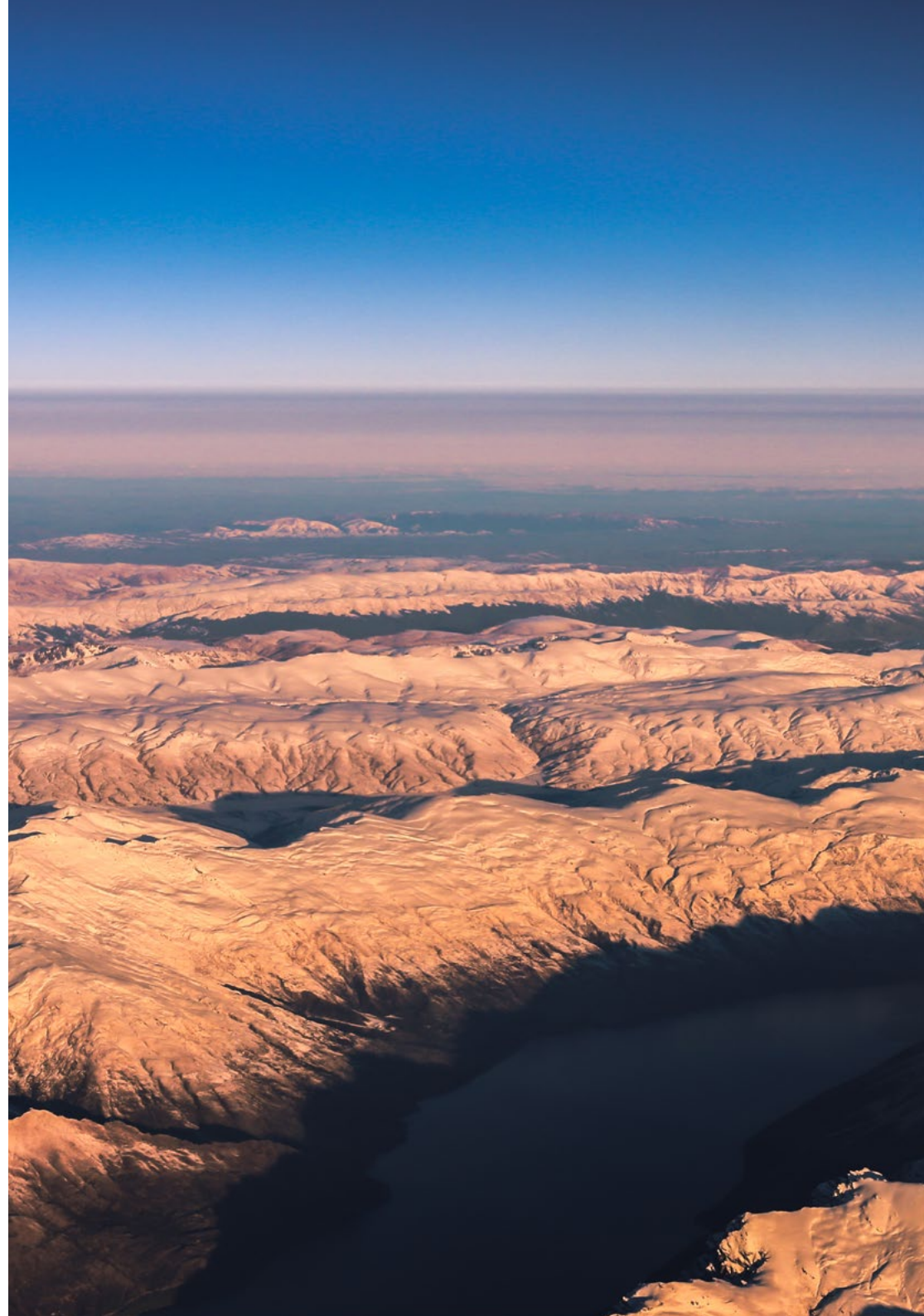
- 2.1. Physical Geography
 - 2.1.1. Geography and Physical Geography
 - 2.1.2. Branches of Physical Geography
 - 2.1.3. Sources
- 2.2. Ecosystem Components
 - 2.1.1. Ecological Factors: Abiotic and Biotic
 - 2.1.2. Energy Flows in Ecosystems
 - 2.1.3. Matter Flows in Ecosystems
- 2.3. Introduction to Earth
 - 2.3.1. Earth in the Solar System
 - 2.3.2. The Shape and Size of Earth
 - 2.3.3. The Movements of Earth
 - 2.3.4. Geographical Coordinates

- 
- 2.4. Maps
 - 2.4.1. Definition
 - 2.4.2. Evolution of History
 - 2.4.3. Elements of a Map
 - 2.4.4. Types of Maps
 - 2.5. Geomorphology I
 - 2.5.1. Internal Structure of Earth
 - 2.5.2. Materials in Earth's Crust
 - 2.5.3. Plate Tectonics
 - 2.5.4. Major Morpho-Structural Units in Earth's Crust
 - 2.6. Geomorphology II
 - 2.6.1. Volcanic Activity
 - 2.6.2. Rock Alteration Processes
 - 2.6.3. Processes and Forms of Slopes
 - 2.6.4. Fluvial Processes and Landforms
 - 2.6.5. Glacial and Periglacial Erosion Systems
 - 2.6.6. Wind Erosion Systems
 - 2.7. Climatology
 - 2.7.1. Concept of Climatology
 - 2.7.2. Solar Radiation
 - 2.7.3. Pressure and Winds
 - 2.7.4. General Atmospheric Circulation
 - 2.7.5. Meteorological Maps
 - 2.7.6. Climate Classifications
 - 2.7.7. Climate Risks
 - 2.8. Hydrology
 - 2.8.1. Concept of Hydrology
 - 2.8.2. Water Performance Factors
 - 2.8.3. Continental and Marine Hydrology
 - 2.8.4. Large Water Domains
 - 2.8.5. Water Hazards
 - 2.8.6. Cartographic representation

- 2.9. Landscapes
 - 2.9.1. Concept of Landscape
 - 2.9.2. Landscape Analysis
 - 2.9.3. Types of Landscapes
 - 2.9.4. Relevant Changes to Landscape Theory: The 1960s
- 2.10. Geosystems
 - 2.10.1. Geosystem Theory
 - 2.10.2. The Conceptual Renewal of Landscape Science
 - 2.10.3. Perspectives in Landscape Research

Module 3. Physical Geography II

- 3.1. Concept of Landscape
 - 3.1.1. Introduction to the Study of Landscapes
 - 3.1.2. Conceptual Approaches and Methodologies
- 3.2. Content in Landscape Studies
 - 3.2.1. Elements and Dynamics in Landscapes: Landscape Typology
 - 3.2.2. Integral or Total Landscapes. Landscape Delimitation
- 3.3. Rural Geography
 - 3.3.1. Concept of Rural Geography
 - 3.3.2. Study Sources for Rural Geography
 - 3.3.3. Basic Characteristics of Rural Areas
 - 3.3.4. Economic Activity in Rural Areas
- 3.4. Urban Geography
 - 3.4.1. Definition of City
 - 3.4.2. Urban Morphology
- 3.5. Urban Structures
 - 3.5.1. Constituent Elements in Urban Structures
 - 3.5.2. Urban Components
 - 3.5.3. Areas of a City
- 3.6. Definition of Land-Use Planning
 - 3.6.1. Study Sources and Methodologies



- 3.7. Spatial Planning in Europe I
 - 3.7.1. From the European Charter to Territorial Strategy
- 3.8. Spatial Planning in Europe II
 - 3.8.1. European Initiatives with Territorial Impact. The Role Played by Funds such as ERDF and EAFRD
- 3.9. Spatial Planning in Europe III
 - 3.9.1. Spatial Planning in European Countries: France, United Kingdom, Italy, Portugal or Germany

Module 4. Human Geography II

- 4.1. Theoretical Foundations of Urban Geography
 - 4.1.1. Urban Geography as a Concept
 - 4.1.2. Urban Growth and Current Manifestations
- 4.2. Inter-Urban Systems
 - 4.2.1. Hierarchy Levels
 - 4.2.2. Area of Urban Influence
 - 4.2.3. Main Urban Areas and Axes
- 4.3. Intra-Urban Systems
 - 4.3.1. Main Elements
 - 4.3.2. Urban Structures
 - 4.3.3. The Central Sector as a Reference Area of Urban Structure
 - 4.3.4. Theories and Models Explaining the Structure of Cities
 - 4.3.5. Urban Morphology
- 4.4. Rural Geography
 - 4.4.1. Concept of Rural
 - 4.4.2. Formation and Organization of Traditional Rural Areas
- 4.5. Rural Areas and Agricultural Activity
 - 4.5.1. From Ecosystems to Agrosystems: The Constraints of Agricultural Activity
 - 4.5.2. Agricultural Systems
 - 4.5.3. Agricultural Activity and Global Challenges: Food Security and Climate Change
- 4.6. Industrial Geography
 - 4.6.1. General Introduction
 - 4.6.2. The Logic behind Capitalist Economics
 - 4.6.3. The Study of the Firm in Industrial Geography
 - 4.6.4. The Territorial Behavior of Industry
 - 4.6.5. Analysis of Industrial Systems
- 4.7. General Features of Tertiary Activities
 - 4.7.1. Definition and Importance of Tertiary Activities
 - 4.7.2. Evolution of Tertiary Activities
 - 4.7.3. Classification of Tertiary Activities
 - 4.7.4. Territorial Distribution of Services
- 4.8. Trade and Commerce
 - 4.8.1. Introduction to Economic Geography
 - 4.8.2. The Importance of Trade and Services in Structuring Territory
 - 4.8.3. Relation between New Commercial Formats and Urban Expansion
 - 4.8.4. Urban Centers
- 4.9. Transportation
 - 4.9.1. Introduction to Geographic Concepts and Techniques to Analyze Transportation Networks and Flows
 - 4.9.2. Human Constraints on Implementing Transport Networks
 - 4.9.3. Individual Mobility
 - 4.9.4. Freight Transportation
- 4.10. Tourism
 - 4.10.1. Introduction to World Tourism Flows
 - 4.10.2. Spatial Distribution of International Tourism



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

04

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"

Case Study to contextualize all content

Our program offers a revolutionary approach to developing skills and knowledge. Our goal is to strengthen skills in a changing, competitive, and highly demanding environment.

“

At TECH, you will experience a learning methodology that is shaking the foundations of traditional universities around the world”



You will have access to a learning system based on repetition, with natural and progressive teaching throughout the entire syllabus.



A learning method that is different and innovative

This TECH program is an intensive educational program, created from scratch, which presents the most demanding challenges and decisions in this field, both nationally and internationally. This methodology promotes personal and professional growth, representing a significant step towards success. The case method, a technique that lays the foundation for this content, ensures that the most current economic, social and professional reality is taken into account.

“*Our program prepares you to face new challenges in uncertain environments and achieve success in your career”*

The student will learn to solve complex situations in real business environments through collaborative activities and real cases.

The case method has been the most widely used learning system among the world's leading Geography and History schools for as long as they have existed. The case method was developed in 1912 so that law students would not only learn the law based on theoretical content. It consisted of presenting students with real-life, complex situations for them to make informed decisions and value judgments on how to resolve them. In 1924, Harvard adopted it as a standard teaching method.

What should a professional do in a given situation? This is the question we face in the case method, an action-oriented learning method. Throughout the program, students will be presented with multiple real cases. They will have to combine all their knowledge and research, and argue and defend their ideas and decisions.

Relearning Methodology

TECH effectively combines the Case Study methodology with a 100% online learning system based on repetition, which combines 8 different teaching elements in each lesson.

We enhance the Case Study with the best 100% online teaching method: Relearning.

In 2019, we obtained the best learning results of all online universities in the world.

At TECH, you will learn using a cutting-edge methodology designed to train the executives of the future. This method, at the forefront of international teaching, is called Relearning.

Our university is the only one in the world authorized to employ this successful method. In 2019, we managed to improve our students' overall satisfaction levels (teaching quality, quality of materials, course structure, objectives...) based on the best online university indicators.



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. With this methodology, we have trained more than 650,000 university graduates with unprecedented success in fields as diverse as biochemistry, genetics, surgery, international law, management skills, sports science, philosophy, law, engineering, journalism, history, markets, and financial instruments. All this in a highly demanding environment, where the students have a strong socio-economic profile and an average age of 43.5 years.

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.

From the latest scientific evidence in the field of neuroscience, not only do we know how to organize information, ideas, images and memories, but we know that the place and context where we have learned something is fundamental for us to be able to remember it and store it in the hippocampus, to retain it in our long-term memory.

In this way, and in what is called neurocognitive context-dependent e-learning, the different elements in our program are connected to the context where the individual carries out their professional activity.



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 adapted in 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.



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.



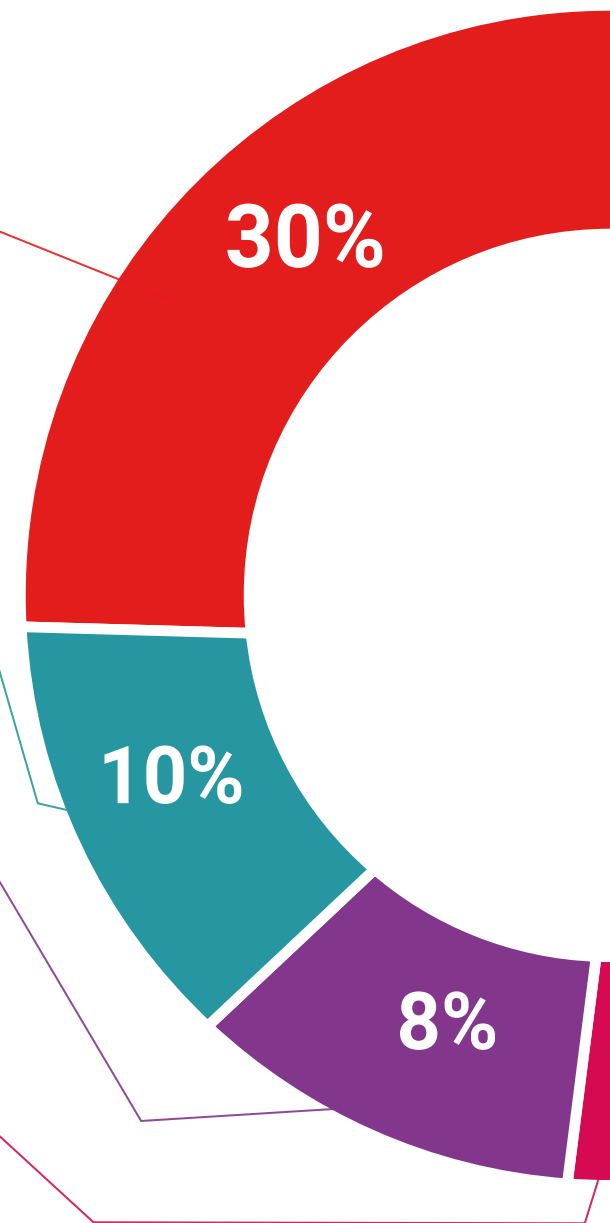
Practising Skills and Abilities

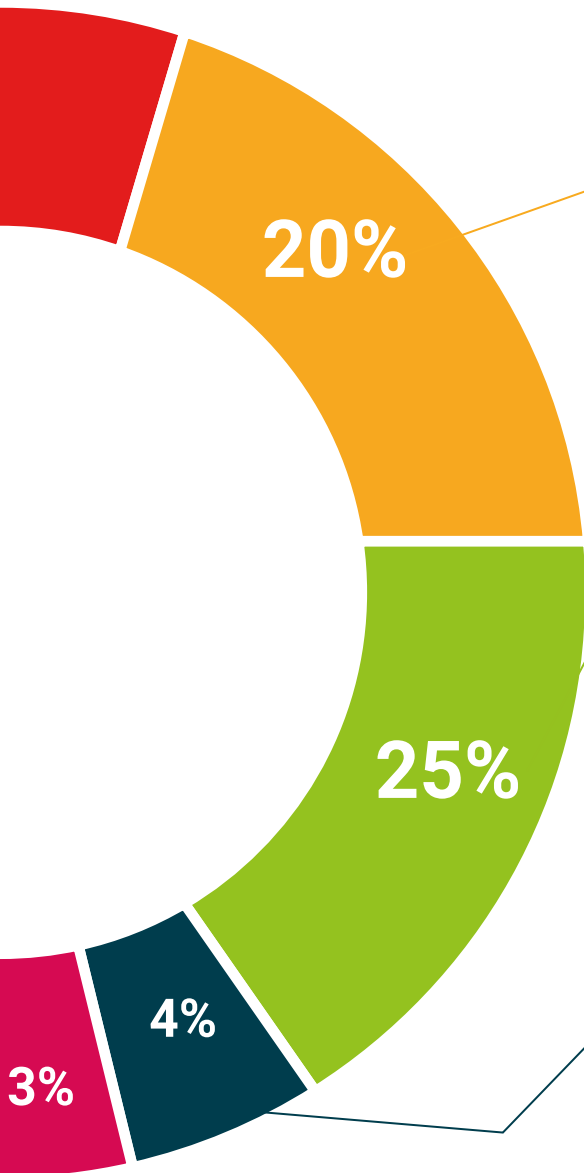
They will carry out activities to develop specific skills and abilities in each subject area. Exercises and activities to acquire and develop the skills and abilities that a specialist needs to develop in the context of the globalization that we are experiencing.



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.





Case Studies

Students will complete a selection of the best case studies chosen specifically for this program. Cases that are presented, analyzed, and supervised by the best specialists in the world.



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".



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.



05 Certificate

The Postgraduate Diploma in Physical and Human Geography guarantees students, in addition to the most rigorous and up-to-date education, access to a Postgraduate Diploma issued by TECH Technological University.





“

Add to your qualifications a Postgraduate Diploma in Physical and Human Geography: A highly qualified added value for any professional”

This **Postgraduate Diploma in Physical and Human Geography** contains the most complete and up-to-date program 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 certificate 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 Physical and Human Geography**

Official N° of Hours: **600 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.

future

health confidence people

education information tutors

guarantee accreditation teaching

institutions technology learning

community commitment

personalized service innovation

knowledge present quality

online training

development language

virtual classroom

tech technological
university

Postgraduate Diploma
Physical and
Human Geography

Course Modality: Online

Duration: 6 months

Certificate: TECH Technological University

Official N° of Hours: 600 h.

Postgraduate Diploma Physical and Human Geography