

# Postgraduate Certificate Maritime Transport





## Postgraduate Certificate Maritime Transport

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

Website: [www.techtitute.com/in/engineering/postgraduate-certificate/maritime-transport](http://www.techtitute.com/in/engineering/postgraduate-certificate/maritime-transport)

# 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

Shipping has undergone a continuous transformation of its organizational and planning strategies due to the ever-increasing development of the economy and means of communication. The digitalization and automation of processes, as well as the search for more sustainable measures, are some of the distinctive features of this context. Against this background, TECH provides industry professionals with a program that will broaden their skills in a comprehensive way. The qualification delves into areas such as traffic, costs, the freight market and others. All this from a disruptive 100% online learning methodology and the educational guidance of the best experts in the field.





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*Get up to date on the regulation of  
polluting emissions in Maritime Transport  
with TECH, the best university in the world"*

Digitalization, latent in almost any economic-social aspect today, has also had a significant impact on the maritime industry. A strong proof of this is the implementation of fleet management systems based on data, sensors and other technologies that improve operational efficiency and safety. At the same time, automations play a leading role. In addition, innovative solutions are being sought to reduce pollutant emissions from your shipping infrastructures.

Keeping up to date with the main advances in this field and the regulations governing its operation is essential for excellence in practice. For this reason, TECH has devised a very complete program of studies where professionals will broaden their theoretical knowledge and practical competences in a comprehensive manner. In particular, the syllabus is distinguished by its analysis of the distribution of costs, the main contracts for the operation of ships and the strategies to ensure the correct traffic of goods.

This qualification aims to enable students to innovate in different areas in order to establish themselves as a competitive differentiator. In this line, they will have at their disposal the most modern technologies for the optimization of management and service delivery.

In addition, with TECH's 100% online methodology, students will complete this program with ease. All they will need is a device with Internet access to take a quality leap in their career and excel in the most recognized companies in the maritime sector. In addition, the academic itinerary has an innovative teaching system developed in the Relearning method, which combines the learning process with real situations so that the knowledge is acquired in a natural and progressive way, without the extra effort of memorizing.

This **Postgraduate Certificate in Maritime Transport** contains the most complete and up-to-date program on the market. The most important features include:

- ♦ The development of practical cases presented by experts in Maritime Transport
- ♦ The graphic, schematic and eminently practical contents of the book provide up-to-date and practical information on those disciplines that are essential for professional practice
- ♦ Practical exercises where the self-assessment process can be carried out to improve learning
- ♦ Its special emphasis on innovative methodologies
- ♦ Theoretical lessons, questions to the expert, debate forums on controversial topics, and individual reflection assignments
- ♦ Content that is accessible from any fixed or portable device with an Internet connection



*It stands out in a booming sector with great projection through innovation and state-of-the-art technology"*

“

*With the skills you will acquire in this program, you will master the different insurances that apply to maritime transport”*

*Don't miss the opportunity to delve into the freight market through the disruptive contents of this Postgraduate Certificate.*

*You will incorporate the latest trends in innovation to the management and operation of ships through this educational itinerary.*

The program's teaching staff includes professionals from the field who contribute their work experience to this educational program, as well as renowned specialists from leading societies and prestigious universities.

The multimedia content, developed with the latest educational technology, will provide the professional with situated and contextual learning, i.e., a simulated environment that will provide immersive education programmed to learn in real situations.

This program is designed around Problem-Based Learning, whereby the professional must try to solve the different professional practice situations that arise during the academic year. For this purpose, the students will be assisted by an innovative interactive video system created by renowned and experienced experts.



# 02

# Objectives

In this TECH program, graduates will develop a comprehensive analysis of the fundamentals and challenges of the maritime industry. Throughout the qualification, key topics such as Shipping in the context of international trade, the variety of ships and their evolution, market dynamics, associated costs, legal framework, operating contracts and the functioning of the freight market will be addressed. In addition, crucial sustainability issues such as emissions and environmental regulation are addressed, providing students with state-of-the-art skills.







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*With this innovative TECH program you will achieve a digital transformation to reach efficiency in the supply chain”*



## General Objectives

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- ♦ Substantiate the importance of maritime transport in globalization
- ♦ Examine the main maritime traffics and transport vessels
- ♦ Delve into the main maritime traffics
- ♦ Specify the international legislation in maritime transport

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*You will master sustainable solutions and technologies for maritime transport thanks to TECH”*





## Specific Objectives

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- ◆ Determine the cost of maritime transport
- ◆ Specify the different contracts for the operation of the vessel
- ◆ Analyze the freight market
- ◆ Examine emissions and their regulation

# 03

# Course Management

The professors who teach this program are leaders in the maritime industry and have extensive practical experience. Their backgrounds in areas such as international trade, ship operation, maritime law and fleet management ensure high quality and relevant instruction. In addition, their commitment to constantly updating their knowledge and their focus on the latest trends, such as sustainability and environmental regulations, ensures that graduates receive cutting-edge training that prepares them for the current and future challenges of the industry.



“

*Train alongside the best experts  
in this 150-hour program”*

## Management



### Dr. López Rodríguez, Armando

- ♦ Head of Technical Advisory Area in the Office of the President of Ports of the State
- ♦ Head of Strategic Planning Area at Ports of the State
- ♦ Project Manager at Ports of the State
- ♦ Head of the Resources and Information and Communications Technology Area at Ports of the State
- ♦ Head of Development Ports of the State
- ♦ Head of Corporate Relations Area at Ports of the State
- ♦ Head of Strategic Planning Area at Ports of the State
- ♦ Head of the Strategic Planning Area at Ports of the State
- ♦ AENOR Associate Professor
- ♦ UBT Associate Professor Lab
- ♦ Telecommunications Engineer from Universidad Politécnica de Madrid
- ♦ Degree in History from the National University of Distance Education (UNED)
- ♦ PhD's Degree in History from the National University of Distance Education (UNED)
- ♦ Master's Degree in Advanced Methods and Techniques of Historical, Artistic and Geographic Research from the National University of Distance Education (UNED)
- ♦ Management Development Program (PDD) from the IESE of the University of Navarra



## Professors

### Mr. Muriente Núñez, Carlos

- ♦ Naval and Ocean Engineer, ALTEN SPAIN
- ♦ Degree in Naval Architecture, Polytechnic University of Madrid
- ♦ Master's Degree in Naval and Ocean Engineering, Polytechnic University of Madrid
- ♦ Master's Degree in Renewable Energies by TECH, Technological Institute
- ♦ Course on Future in Materials in Industry, Construction and Technology, Polytechnic University of Madrid

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*An unique, key, and decisive training experience to boost your professional development”*

# 04

# Structure and Content

This TECH program provides a comprehensive analysis of Maritime Transport and its relationship with international trade. To this end, it develops a thorough examination of the types of ships and the evolution of its construction industry. In addition, the program addresses the distinctive market characteristics of this sector, the associated costs and the different traffics. The program also delves into ship law, operating contracts, the charter market and related insurance. Finally, it delves into environmental issues, such as emissions and their regulation on a global scale.





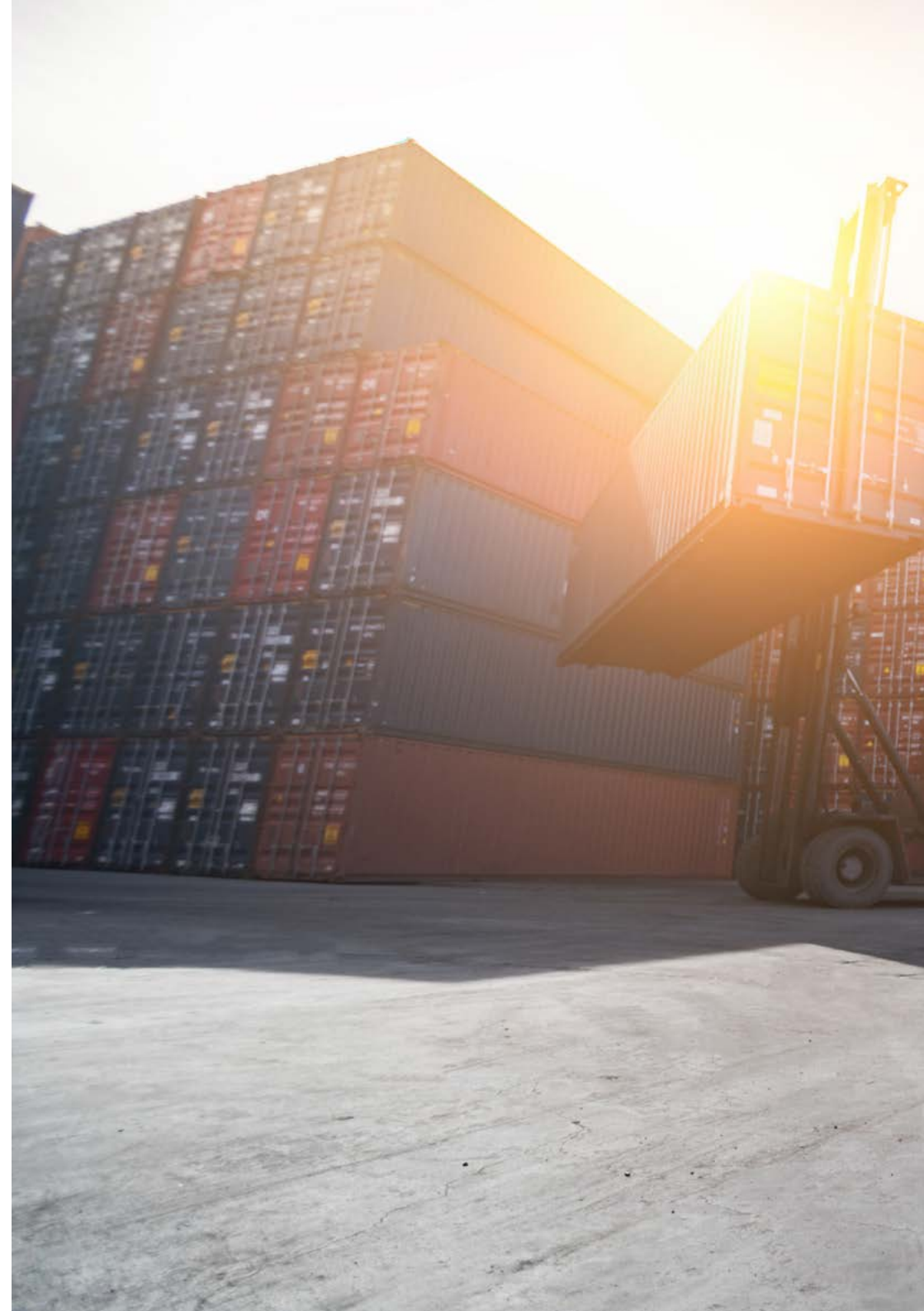


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*It delves into the different ship operating contracts through disruptive multimedia resources and a 100% online study platform”*

## Module 1. Maritime Transport

- 1.1. Maritime Transport and International Trade
  - 1.1.1. Maritime Transport
  - 1.1.2. International Trade
  - 1.1.3. Maritime traffics
  - 1.1.4. TRAMP traffic and regular liners
- 1.2. Types of Ships in Maritime Transport
  - 1.2.2. Types of Ships in Maritime Transport according to their cargo
  - 1.2.2. Evolution of the ships in maritime transport
  - 1.2.3. Container
    - 1.2.3.1. Types of maritime containers
- 1.3. Maritime Transport Market
  - 1.3.1. Maritime Transport Market
  - 1.3.2. World fleet
  - 1.3.3. World Maritime Transport Requirement
- 1.4. Maritime Transport Costs
  - 1.4.1. Cost distribution
  - 1.4.2. Fixed Costs
  - 1.4.3. Variable Costs
  - 1.4.4. Loading/unloading costs
  - 1.4.5. Factors Influencing Costs
- 1.5. Maritime traffics
  - 1.5.1. Petroleum traffic
  - 1.5.2. Bulk solids traffic
  - 1.5.3. General cargo
- 1.6. Maritime Law
  - 1.6.1. Maritime privileges
  - 1.6.2. Ship mortgage
  - 1.6.3. International maritime transport regulations and conventions
- 1.7. Contracts for the Operation of the Ship
  - 1.7.1. Economic operation of the ship
  - 1.7.2. Bareboat Lease
  - 1.7.3. Chartering
  - 1.7.4. Passenger contract





- 1.8. Freight Market
  - 1.8.1. Freight Market Evolution
  - 1.8.2. Journalism
  - 1.8.3. Supply/ Demand
- 1.9. Accident and Marine Insurance
  - 1.9.1. Accidents in Navigation
  - 1.9.2. Types of Breakdowns
  - 1.9.3. Marine Insurance
- 1.10. Emissions International Regulation
  - 1.10.1. Maritime Transport emissions
  - 1.10.2. International Regulation
  - 1.10.3. Form of Fulfillment of Regulations
  - 1.10.4. Reduction of CO2 emissions

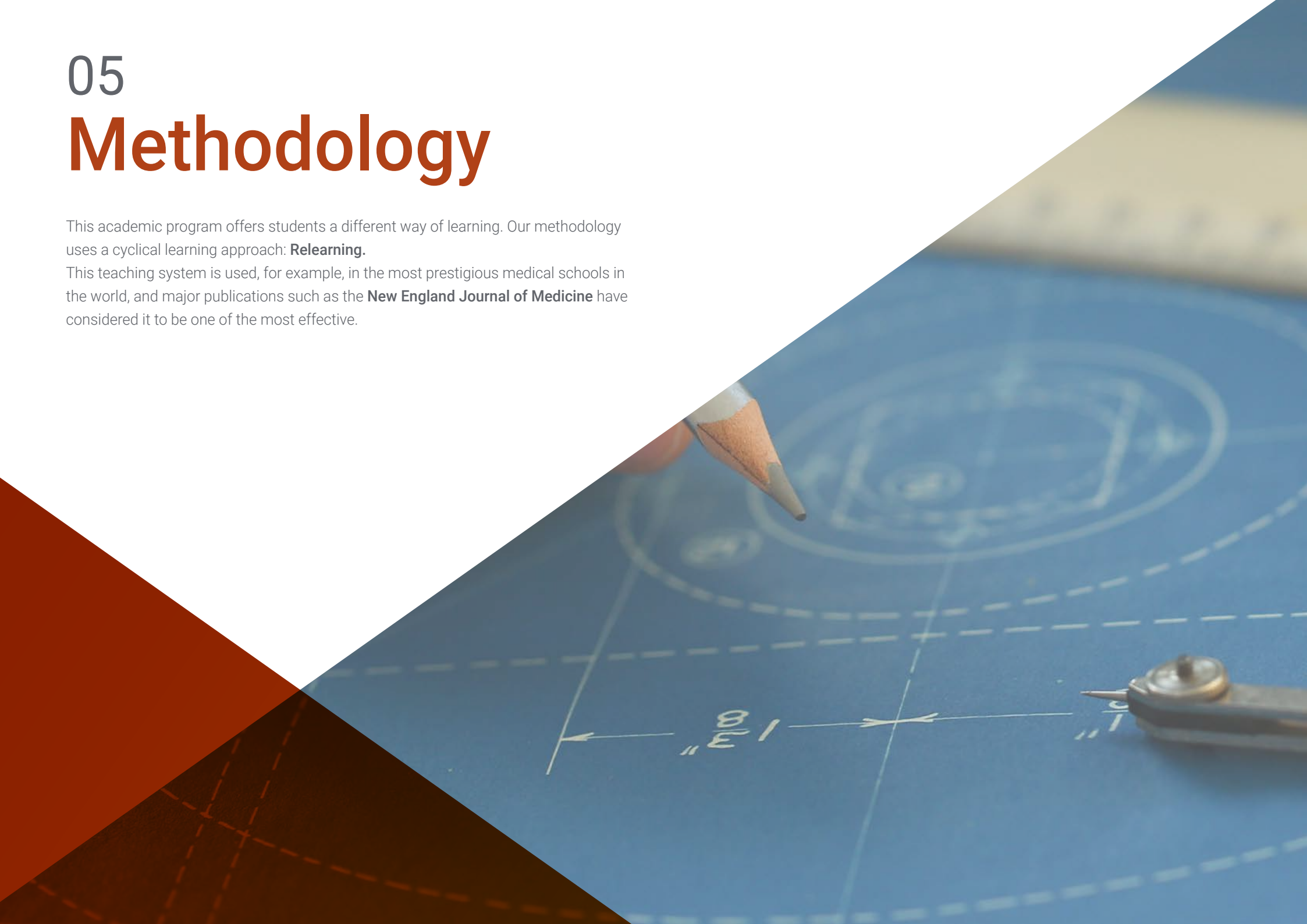
“ *TECH's Relearning methodology will guarantee you a quick and efficient assimilation of the most complex concepts in Maritime Transport* ”

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"*

## 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.*



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

### 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 case method is the most widely used learning system in the best faculties in the world. 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 that you are presented with in the case method, an action-oriented learning method. Throughout the program, the studies 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.

This methodology has 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, and financial markets and 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 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.



### 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.



06

# Certificate

The Postgraduate Certificate in Maritime Transport 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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*Successfully complete this program and receive your university qualification without having to travel or fill out laborious paperwork”*

This **Postgraduate Certificate in Maritime Transport** contains the most complete and up-to-date program 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 certificate 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 Maritime Transport**

Official N° of Hours: **150 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  
development language  
virtual classroom



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