

FOR MORE INFORMATION

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Course “Advanced Technical Issues
on Ship’s Operation and Maintenance”
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Metropolitan Expo

**LIFELONG
EDUCATION
RESEARCH AND
CONSULTING
SERVICES**
**IN NAVAL ARCHITECTURE
AND MARINE ENGINEERING**

Friday 10/6

15:00-17:00

Posidonia Seminar Room 2B

Free registration at
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Department of Naval Architect Engineers
Technological Educational Institute of Athens



www.na.teiath.gr



Lifelong Education Courseon “Advanced Technical Issues on Ship’s Operation and Maintenance”

by Georgios Livanos

The objective of the offered Lifelong educational course is to update and upgrade the engineering knowledge level of participants who have completed their undergraduate and/or post graduate studies and are already working or are interested to be hired in modern shipping companies worldwide.

Target Group

Naval Architects
Marine Engineers
Mechanical Engineers
Electrical and Automation Engineers
Fleet Managers and Superintendent Engineers
Operators

Course Learning Results

Following the successful course completion, the trainee will:

Obtain the upgraded knowledge foundation concerning calculations and technical requirements, as defined in international rules, guidelines and standards and applied in modern shipbuilding and fleet O&M.

Recognize and comprehensively understand the special requirements of each marine engineering and naval architecture application, depending on the type and its operational profile AND implement the relevant rules, codes, processes and recommendations for the design, construction, operation and maintenance of ships and fleets.

Conduct the needed advanced calculations, monitoring processes, supervise constructions and apply class rules and technical recommendations

Market Driven Course

Greek shipping companies constitute a key pillar of the Greek Economy, employing several Greek engineers and scientists in the branch of Operation and Maintenance of existing Greek owned fleets, as well as in the branch of new buildings in shipyards around the globe. It is to be highlighted that in Greece are based more than 700 shipping companies, managing more than 4700 ships of total tonnage of 303.5 million tones DWT. It is also noticeable that the average age of the Greek owned fleet decreased significantly the recent years, evidently proving the trust of the ship-owners to new marine technologies and environmental friendly ships. The continuously expanding fleet size in conjunction with its modernization makes imperative the

employment of engineers, operators and managers with advanced and updated engineering knowledge and specialization. Considering that today the majority of Greek Shipping companies employ a wide range of engineers with different undergraduate studies (mechanical engineers, marine engineers, naval architects, electrical engineers, automation experts etc), the significance of the offered lifelong education course of the Technological Educational Institute of Athens is obvious, since aims to qualify properly the stakeholders to meet the steeply increasing requirements and challenges of expanding shipping sector.

Course Outline

Ship Hydraulics and Pipelines (9 hours)
Propulsion Plants and Auxiliary systems (8 hours)
Hydrostatics and Ship Stability (8 hours)
Ship Resistance and Propulsion (4 hours)
Weldings and Non Destructive Tests (NDT) (5 hours)
Repairs and Maintenance of Ship Construction (8 hours)

700

Shipping companies are active in Greece

4700

Ships are managed by Greek owned shipping companies

Course key characteristics

42 hours course
Groups of 10 trainees
All instructors are experienced full time professors with long market experience.
Full time or part time option
Upon request the course can be performed on customer’s premises (min. 10 attendees)
700 pages printed material will be distributed.
Theory and Exercises included
Design in collaboration with several shipping companies for meeting their needs
Course fine tuning possible for servicing customer needs

Focus on Market

The continuously expanding fleet size in conjunction with its modernization makes imperative the employment of engineers, operators and managers with advanced and updated engineering knowledge and specialization

Qualify and NOT OVER-qualify

The offered lifelong education course aims to qualify properly the stakeholders to meet the steeply increasing requirements and challenges of expanding shipping sector.