COURSE OUTLINE

(1) GENERAL

SCHOOL	School of Engineering		
ACADEMIC UNIT	Department of Naval Architecture		
LEVEL OF STUDIES	Undergraduate		
COURSE CODE	NAOME 1209	**SEMESTER**	2nd
COURSE TITLE	TECHNICAL ENGLISH		
INDEPENDENT TEACHING ACTIVITIES		**WEEKLY TEACHING HOURS**	**CREDITS (ECTS)**
Lectures		3	3
COURSE TYPE *general background, specialbackground, specialised general knowledge, skills development*	Special background		
PREREQUISITE COURSES:			
LANGUAGE OF INSTRUCTION and EXAMINATIONS:	English		
IS THE COURSE OFFERED TO ERASMUS STUDENTS	Yes		
COURSE WEBSITE (URL)	https://eclass.uniwa.gr/courses/NA246/		

(2) COURSE GOALS / LEARNING OUTCOMES

The objective of the course is the effective use of the foreign language structure and the development of language skills by the students, to enhance their interest in further learning through authentic passages of their specialty. The course aims at familiarizing students with the terminology of Marine Engineering & Naval Architecture with the use of foreign bibliography, for correct and fluent communication (oral and written), within the framework of Marine Engineering issues and for their participation in European programs, seminars, conferences, interviews, etc.

(3) COURSE CONTENT / SYLLABUS

Acquisition and effective use of the English Language and Terminology through the study of authentic texts (ESP) from books, technical magazines, internet, etc. based on various subjects of Naval Architecture and practice on their context by composing technical specifications and reports. The linguistic processing is supplemented with a list of readings:

- Introduction to Shipbuilding (Basic Design of the Ship, Ship Dimensions)
- Classification Societies (Passenger, Cargo Vessels, Special Duty Ships, Tankers)
- Development of Ship Types
- Shipbuilding Material - Strength of Ships
- Welding
- Marine Engines

- Shipyard Layout
- Prefabrication
- Launching
- Manoeuvrability
- Propulsive System Characteristics - Propellers
- Ballasting
- Ship Structure (Shell Plating, Framing, Bulkheads, Decks; Hatches, Superstructures, Bottom Structure)
- Sea Waves

(4) TEACHING and LEARNING METHODS - EVALUATION

DELIVERY Face-to-face, Distance learning, etc.	Face-to-face
USE OF INFORMATION AND COMMUNICATIONS TECHNOLOGY Use of ICT in teaching, laboratory education, communication with students	• Use of ICT in teaching. • Support learning through the electronic e-class platform.
TEACHING METHODS *The manner and methods of teaching are described in detail.* *Lectures, seminars, laboratory practice, fieldwork, study and analysis of bibliography, tutorials, placements, clinical practice, art workshop, interactive teaching, educational visits, project, essay writing, artistic creativity, etc.* *The student's study hours for each learning activity are given as well as the hours of non- directed study according to the principles of the ECTS*	

Activity	*Workload (hours)*
Lectures	30
Homework practice	9
Edit Authentic English Texts. Study and Analysis of Bibliography.	16
Small individual and group practice works	15
Study and preparation for exam	13
Course Total	83

STUDENT PERFORMANCE EVALUATION *Description of the evaluation procedure Language of evaluation, methods of evaluation, summative or conclusive, multiple choice questionnaires, short-answer questions, open-ended questions, problem solving, written work, essay/report, oral examination, public presentation, laboratory work, clinical examination of patient, art interpretation, other*	Written examination (80%) Presentation of practice works (20%)

(5) ATTACHED BIBLIOGRAPHY

1. Manuals prepared by the Lecturer
2. International Bibliography

Indicatively:

- Tupper E.C. (2013). *Introduction to Naval Architecture.* 5th Ed. Butterworth – Heinemann.
- Tupper E.C. (1996). *Introduction to Naval Architecture.* 3rd Ed. Butterworth – Heinemann.
- Biran. A.B. (2000). *Ship Hydrostatic and Stability*. Butterworth – Heinemann.
- Stokoe E.A. (2009). *Naval Architecture for Marine Engineers*. 4th ed. A & C Black Publishers Ltd.
- Rawson K.J and Tupper E.C. (2001). *Basic Ship Theory*. 5th Ed. Butterworth – Heinemann.

- Molland A.F. (2008). *The Maritime Engineering Reference Book: A Guide to Ship Design, Construction and Operation*. 1st Ed. Butterworth – Heinemann.
- Okumoto Y., Takeda Y., Mano M., Okada T. (2009). *Design of Ship Hull Structures: A Practical Guide for Engineers.* Springer – Verlag Berlin Heidelberg.
- Eyres D.J. (2007). *Ship Construction.* 6th Ed. Butterworth – Heinemann.
- Stokoe E.A. (2005) *Reeds Vol 5: Ship Construction (Reeds Marine Engineering and Technology Series).* New Ed. Adlard Coles Nautical.
- Zubaly R.B. (2009). Applied Naval Architecture. Schiffer Publishing.