COURSE OUTLINE

(1) GENERAL

SCHOOL	School of Engineering		
ACADEMIC UNIT	Department of Naval Architecture		
LEVEL OF STUDIES	Undergraduate		
COURSE CODE	NAOME1339	**SEMESTER**	7th
COURSE TITLE	**SHIP CONSTRUCTION DRAWINGS**		

INDEPENDENT TEACHING ACTIVITIES	**WEEKLY TEACHING HOURS**	**CREDITS (ECTS)**
Lectures	2	4
Laboratory	2	
Total	4	

COURSE TYPE *general background, specialbackground, specialised general knowledge, skills development*	Specialized
PREREQUISITE COURSES:	
LANGUAGE OF INSTRUCTION and EXAMINATIONS:	Greek
IS THE COURSE OFFERED TO ERASMUS STUDENTS	Yes (Italian)
COURSE WEBSITE (URL)	https://eclass.uniwa.gr/courses/NA180/

(2) COURSE GOALS / LEARNING OUTCOMES

The aim of the course is to familiarize students with the basic principles and fundamentals of the ship construction drawings. The course includes the description of the ship structure, methods and systems structure, stiffener forms used to the ship construction, construction planning, ship structure design and calculations.

(3) COURSE CONTENT / SYLLABUS

1. LECTURES
   Fundamental concepts and definitions: ships terminology, symbols and construction design basic principles, longitudinal and transverse construction systems, stiffeners design, bottom and deck forms. General arrangement plans, construction plans, rudder construction, engine setting design.

2. LABORATORY
   Construction drawings, calculations.

(4) TEACHING and LEARNING METHODS - EVALUATION

<table>
<tr><td>DELIVERY
Face-to-face, Distance learning, etc.</td><td>Face-to-face</td></tr>
<tr><td>USE OF INFORMATION AND COMMUNICATIONS TECHNOLOGY
Use of ICT in teaching, laboratory education, communication with students</td><td>• Support learning through the electronic e-class platform.
• https://eclass.teiath.gr/courses/NAFP113/
• https://eclass.teiath.gr/courses/NAFP114/
• https://ocp.teiath.gr/courses/NAFP_UNDER114/ (VIDEO lectures)</td></tr>
<tr><td>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</td><td>
<table>
<tr><th>Activity</th><th>Workload (hours)</th></tr>
<tr><td>Lectures</td><td>26</td></tr>
<tr><td>Laboratory exercises</td><td>26</td></tr>
<tr><td>Homework assignments</td><td>26</td></tr>
<tr><td>Study of Lectures</td><td>39</td></tr>
<tr><td></td><td></td></tr>
<tr><td></td><td></td></tr>
<tr><td></td><td></td></tr>
<tr><td>Course total</td><td>117</td></tr>
</table>
</td></tr>
<tr><td>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</td><td>1. Lectures (50 %)
1A. theoretical questions
2A. calculation problems

2. Laboratory (50 %)
- Construction plan drawing examination</td></tr>
</table>

(5) ATTACHED BIBLIOGRAPHY

1. Tecnologia della nave, Lomeo, Genova, 1980
2. Costruzioni Navali, Rizzo / Tedeschi, Genova 2007
3. Ship Design and Construction, SNAME
4. Structural design of sea – going ships , N. Barabanov
5. Ship Construction , D.J. EYRES , Redwood Books , 1994
6. SHIP CONSTRUCTION DRAWING, G. Hatzikonstandis, UNIWA,2019
7. R.I.N.A. (Registro Italiano Navale), Rules and Regulations