COURSE OUTLINE

(1) GENERAL

SCHOOL	School of Engineering		
ACADEMIC UNIT	Department of Naval Architecture		
LEVEL OF STUDIES	Undergraduate		
COURSE CODE	NAOME1369	**SEMESTER**	**9ο**
COURSE TITLE	**TRADITIONAL SHIP DESIGN**		
INDEPENDENT TEACHING ACTIVITIES		**WEEKLY TEACHING HOURS**	**CREDITS (ECTS)**
Lectures		3	4
COURSE TYPE *general background, specialbackground, specialised general knowledge, skills development*	Specialised		
PREREQUISITE COURSES:	NAOME 1212 - Ship Lines Drawing and Introduction to CASD		
LANGUAGE OF INSTRUCTION and EXAMINATIONS:	Greek		
IS THE COURSE OFFERED TO ERASMUS STUDENTS			
COURSE WEBSITE (URL)	https://eclass.uniwa.gr/courses/NAFP116/		

(2) COURSE GOALS / LEARNING OUTCOMES

The main goal of the course is to provide students with fundamental knowledge and understanding of the Greek traditional shipbuilding and the specific practices and techniques used in Greece for the building of wooden boats. Particularly the course examines the types of Greek traditional ships according to hull and rigging, the methods of designing and building ships and technical developments in wooden shipbuilding.

(3) COURSE CONTENT / SYLLABUS

- Historical background of the Greek wooden shipbuilding
- Types of Greek traditional boats – Typology of hulls – Typology of rigging
- Construction phases and tools of wooden shipbuilding
- Methods of designing traditional wooden boats (Methods of “monochnaro” – Methods of the lofting floor “sala”)
- Boat building timber
- Design principles and criteria for building traditional boats
- Building traditional boats – Preparation - Framing up - Reinforcement of skeleton - Planking - Caulking
- Evolution of traditional shipbuilding – Use of modern CASD software *packages*

(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>• Use of ICT in teaching.
• Communication with students and support of learning procedure through the electronic e-class platform.</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>Seminars/fieldwork</td><td>26</td></tr>
<tr><td>Project and essay writing</td><td>25</td></tr>
<tr><td>Study and analysis of bibliography</td><td>40</td></tr>
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<tr><td></td><td></td></tr>
<tr><td>Course total</td><td>117</td></tr>
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<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>Evaluation:

- Written examination including short-answer questions, multiple choice questionnaires, etc</td></tr>
</table>

(5) ATTACHED BIBLIOGRAPHY

- K. Damianidis, “VERNACULAR BOATS AND BOATBUILDING IN GREECE : VOL. 1”, PhD Thesis, University of St Andrews, 1991 (http://research-repository.st-andrews.ac.uk/)
- H. I. Chapelle, “Boatbuilding: A complete Handbook of Wooden Boat Construction”, W. W. Norton & Company, 1994
- H. W. Patterson, “Small Boat Building”, Dixon Price Publishing, 2003
- C. Hamlin, “Preliminary Design of Boats & Ships”, Cornell Maritime Press, 1989