COURSE OUTLINE

(1) GENERAL

SCHOOL	School of Engineering		
ACADEMIC UNIT	Department of Naval Architecture		
LEVEL OF STUDIES	Undergraduate		
COURSE CODE	NAOME1336	**SEMESTER**	7th
COURSE TITLE	**CLASSIFICATION SOCIETIES RULES**		
INDEPENDENT TEACHING ACTIVITIES		**WEEKLY TEACHING HOURS**	**CREDITS (ECTS)**
Lectures		3	4

COURSE TYPE *general background, specialbackground, specialised general knowledge, skills development*	Specialized
PREREQUISITE COURSES:	NAOME1328 - Longitudinal Strength of Ships
LANGUAGE OF INSTRUCTION and EXAMINATIONS:	Greek
IS THE COURSE OFFERED TO ERASMUS STUDENTS	Yes
COURSE WEBSITE (URL)	https://eclass.uniwa.gr/courses/NA204/

(2) COURSE GOALS / LEARNING OUTCOMES

The aim of the course is the familiarization of the attendee with the structure, the content and the implementation of the Rules of the Classification Societies.

Precisely, the students will learn:

1. The content of the Class rules in contradiction to the statutory requirements.
2. The Class Survey requirements depending on the ship's type and age.
3. The Class requirements for the ship construction materials.
4. To apply the Class rules for the assessment of ship scantlings.
5. The class requirements for the design of the machinery and electrical installations.
6. To examine compliance of fire protection systems with the Rule requirements.
7. About the novelties introduced with the IACS Common Structural Rules.

(3) COURSE CONTENT / SYLLABUS

- Lecture 1: Class and Statutory Requirements
- Lecture 2: Class Certificates and Statutory certificates
- Lecture 3: IACS and Legislative Requirements
- Lecture 4: Class Survey requirements – Thickness measurements
- Lecture 5: Steel grades and other alloys used in ship building
- Lecture 6: Weldings
- Lecture 7: Longitudinal Strength
- Lecture 8: Calculation of hull scantlings – Corrosion allowances
- Lecture 9: Propulsion Installations and auxiliary machinery
- Lecture 10: Main piping systems and their design
- Lecture 11: Electrical Installations
- Lecture 12: Automation Systems
- Lecture 13: Fire protection
- Lecture 14: Common Structural Rules for Oil Tankers and Bulk Carriers

(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

- Training material is offered in electronic format

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	39
Homework assignments	39
Personal study	39
Course total	**117**

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

Weight of Final Exams: 60%
Weight of Exercises: 40%

ATTACHED BIBLIOGRAPHY

- IACS Harmonized Common Structural Rules
- IACS Blue Book
- Rules of several Classification Societies
- Lagoni, N, “The Liability of the Classification Societies”, Springer, 2007.