

Code: 7,,Chemistry”

ECTScredits: 3	Number of hours per week: 2+0+1
Forms of assessments: Exam	Types of assessment: Exam - written
Department, providing instruction on the discipline: Department: <i>ECOLOGY AND ENVIRONMENTAL PRESERVATION</i> <i>FACULTY OF SHIPBUILDING</i>	

Lecturer: Assoc.Prof. V.Yaneva

Department: *ECOLOGY AND ENVIRONMENTAL PRESERVATION*

Tel..

e-mail: [..]

Annotation: Chemistry is compulsory discipline for the students of Naval Architecture and Marine Technology and is fundamental for the others subjects concerning engineers and specialized training. During the course some basic learning must be obtained on the structure and properties of the matter, chemical and thermodynamic processes, electrochemical systems, corrosion, physical and chemical parameters of the fuels and mineral oils also polymers.

Main issues of the syllabus content:

- Structure and properties of the matter
- Chemical Thermodynamic
- Electrochemistry
- Corrosion of metals
- Corrosion protection
- Fuels
- Lubricants and Cooling materials
- Water as cooling agent and for power needs
- Chemistry of the polymers.

Content presentation:

Lectures and Laboratory exercises. Two test during lectures and problems for home work.