Course Code Course Name Semester Theory Practice Lab Credit ECTS

DEN103 Marine Chemistry 1 2 0 0 2 3

Prerequisites

Admission Requirements

Language of Instruction

Course Type

Course Level Associate Degree

Objective

Content

References

Theory Topics

Weekly Contents

- 1 Basic concepts and basic laws.
- 2 Stochiometric calculations. Gases, liquids and solids
- 3 Structure of atom and periodic table. Chemical bonds. Nuclear reactions.
- 4 Solutions. Heat energy in chemical reactions.
- 5 Rate of reactions. Equilibrium. Acids and bases.
- 6 Physical and chemical properties of seawater.
- 7 Corrosion and corrosion control.
- 8 Sea paints.
- 9 Fuel and oil chemistry.
- 10 Fuel and oil chemistry.
- 11 Fuel and oil types and properties.
- 12 Fuel and oil types and properties.
- 13 Hazardous substances. Sea pollution.
- 14 Hazardous substances. Sea pollution.