

## Content

Course Code	Course Name	Semester	Theory	Practice	Lab	Credit	ECTS
GEM104	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

Week	Weekly Contents
1	Basic concepts and basic laws.
2	Stoichiometric 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.