

**Content**

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**

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.