**Content**

| Course Code | Course Name | Semester | Theory | Practice | Lab | Credit | ECTS |
|---|---|---|---|---|---|---|---|
| DEN103 | Marine Chemistry | 1 | 2 | 0 | 0 | 2 | 3 |

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| Prerequisites | |
| Admission Requirements | |

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| Language of Instruction | |
| Course Type | |
| Course Level | Associate Degree |
| Objective | |
| Content | |
| References | |

**Theory Topics**

| Week | 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. |