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| **Week**  **No.** | **Units No.** | **Description** |
| **1** | **---** | **Introduction** |
| **2** | **Unit 1** | Course outline, Aspects of Industrial Chemical Processes, Terminology ,Classification of chemical products  Kinds of Chemical processes |
| **3** |  | Important information |
| **4** | **Unit 2** | Extractive metallurgy Corrosion and its solutions in industry Mineral ores, Ore dressing |
| **Applications** : Pyro processing, Refining ,Extractive metallurgy of iron, Extractive metallurgy of aluminum |
| **5-6** | **Unit 3** | Material balances |
| **7-8** | **Unit4** | Energy balances |
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| **9-10** | **Unit 5** | Catalysis |
| **Applications** of catalysts in industry |
| **11** | **Unit 6** | Electrochemical cells. |
| **Applications** of electrolysis in industry |
| **12** |  | **Mid 2** |
|  | **Unit 7** | Student Presentation. |
| **13-14** | **Applications** | Organic Chemical Industries |
|  | Petroleum+ Important catalysts. |
|  | Inorganic Chemical industries , |
|  | **Applications :** Chlor-alkali, Ammonia, Sulphuric Acid, Fertilizer, Cement. Important catalysts. |