

IC (209)211 Introduction to Ceramics 4(3/3-1/3)

Abbreviation -

Prerequisite None

This course is opened for MAJOR COMPULSORY COURSE

Course Description

Introduction, raw materials, forming, glazes and glazing, drying and dryer, firing and kilns and new ceramics.

Objectives

1. Students will be able to understand basic principles of traditional ceramics and manufacture.
2. Students will be experienced with simple experiments in ceramic processing.

Course Content

Lecture Hours

1. Introduction	4
2. Raw materials	10
2.1 Type of raw materials	
2.2 Body compositions of earthenware, stoneware, porcelain and bone china	
2.3 Body preparation	
3. Forming	8
4. Glazes and glazing	10
4.1 Glaze compositions	
4.2 Glaze preparation and glazing	
4.3 Glaze defects	
5. Drying and dryer	3
6. Firing and kilns	8
6.1 Firing techniques	
6.2 Ceramics kilns	
7. New ceramics	2
Total	45

Laboratory Topics

Laboratory hours

1. Introduction to ceramics laboratory	3
2. Raw materials	9
3. Forming	9
4. Glazes and Glazing	9
5. Drying and dryer	6
6. Firing and kilns	9
Total	45