

I. Course Overview:

Upon successful completion of this course, the students should be able to perform at a more advanced level than that of a basic skill level in hand and wheel forming techniques, glazing and firing techniques, kiln loading and firing operations, and apply design concepts in creating ceramic forms.

II. Units:

Unit 1. **Hand-building Techniques**

General Outcome:

- 1.0 The students should be able to acquire and demonstrate knowledge of hand-forming processes, materials and tools at a level more advance than the basic level.

Specific Learning Outcomes:

Upon successful completion of this unit, the students should be able to:

- 1.1 Create and demonstrate more advanced conceptions of construction, form, and surface of the following:
 - 1.1.1 A ceramic form, using the coil construction technique
 - 1.1.2 A ceramic form, using slab construction techniques
 - 1.1.3 Combine different hand-forming techniques to create creative ceramic form
 - 1.1.4 A ceramic form in which wheel thrown forms are combined with hand-building techniques

Unit 2. Throwing Techniques

General Outcome:

- 2.0 The students should be able to demonstrate basic and advanced wheel forming techniques.

Specific Learning Outcomes:

Upon successful completion of this unit, the students should be able to:

- 2.1 Demonstrate the techniques used to produce the following forms:
- 2.1.1 A pitcher with a correctly formed spout and handle
 - 2.1.2 Several types of container forms
 - 2.1.3 Several types of lids for container forms
 - 2.1.4 A plate
 - 2.1.5 A ceramic form in which more than one thrown form is used, such as a teapot or coffee pot
 - 2.1.6 Identical or similar multiples of a given wheel thrown form

Unit 3. Surface Decoration Techniques

General Outcome:

- 3.0 The students should be able to demonstrate techniques used in surface decoration at a level of skill beyond the basic level.

Specific Learning Outcomes:

Upon successful completion of this unit, the students should be able to:

- 3.1 Demonstrate more advanced skill in the use of the following:
- 3.1.1 Engobes and underglazes to decorate ceramic forms
 - 3.1.2 Sgraffito designs
 - 3.1.3 Incising techniques
 - 3.1.4 Mishima techniques
 - 3.1.5 Majolica glazing techniques
 - 3.1.6 Mold making/Slip casting
 - 3.1.7 Low-fire glaze techniques

Unit 4. Glazing Techniques

General Outcome:

- 4.0 The students should be able to demonstrate the use of glaze application techniques at a level of skill beyond the basic level.

Specific Learning Outcomes:

Upon successful completion of this unit, the students should be able to:

- 4.1 Create color variations by the following methods:
 - 4.1.1 Overlapping glazes
 - 4.1.2 Combining different glaze application techniques
- 4.2 Demonstrate the use of wax resist in glaze application.

Unit 5. Firing

General Outcome:

- 5.0 The students should be able to describe the firing process and to load and fire a kiln for bisque and glaze firings.

Specific Learning Outcomes:

Upon successful completion of this unit, the students should be able to:

- 5.1 Describe the firing process, and list the physical and chemical changes that happen to ceramic materials in the firing process.
- 5.2 Demonstrate the proper techniques for:
 - 5.2.1 Loading and firing a kiln for a bisque firing
 - 5.2.2 Loading and firing a kiln for glaze firing
 - 5.2.3 Firing raku wares
 - 5.2.4 Pot firing and smoking of ceramic wares

Unit 6. Ceramic Design

General Outcome:

- 6.0 The students should be able to apply design concepts and identify appropriate materials for ceramic projects.

Specific Learning Outcomes:

Upon successful completion of this unit, the students should be able to:

- 6.1 Identify and name design concepts which apply to a ceramic project.
- 6.2 Identify materials and processes appropriate to the ceramic project.
- 6.3 Demonstrate independent research of materials in print and exhibits that contribute to the development of ceramic design concepts.
- 6.4 Discuss design and processes grounded in contemporary ceramic art theory.