

**LAST REVIEW:** 2009-2010  
*(i.e. 2003-2004)*

**NEX REVIEW:** 2014-2015  
*(i.e. 2008-2009)*

**STATUS:** A  
*(A, I, D)*

**COURSE TITLE:** Ceramics I

**COMMO COURSE NUMBER:** ART 2750C

**CREDIT HOURS:** 3

**CONTACT HOUR BREAKDOWN**

*(per 16 week term)*

**CLOCK HOURS:**  
*(Voc. Course ONLY)*

Lecture: Lab: **96**

Clinic: Other:

**PREREQUISITE(S):** None

**COREQUISITE(S):** None

**PRE/COREQUISITE(S):** None

**COURSE DESCRIPTION** *(750 characters, maximum):* Study of basic ceramic shaping techniques, glazing, decorating and firing.

General Education Requirements – Associate of Arts Degree (AA), meets Area(s):

General Education Requirements – Associate in Science Degree (AS), meets Area(s):

General Education Requirements – Associate in Applied Science Degree (AAS), meets Area(s):

## **UNIT TITLES**

- 1. Hand Forming Techniques**
- 2. Wheel Forming Techniques**
- 3. Surface Decorating Techniques**
- 4. Glazing**
- 5. Technical Information**
- 6. Design Applied to Ceramic Art**
- 7. Ceramic Art/Cultural Traditions**

## **UNITS**

### **Unit 1 Hand Forming Techniques**

#### **General Outcome:**

- 1.0 The student shall: acquire and demonstrate knowledge of basic hand forming processes, materials and tools.**

#### **Specific Measurable Learning Outcomes:**

**Upon successful completion of this unit, the student shall be able to:**

- 1.1 Create a ceramic form using the pinching technique**
- 1.2 Create a ceramic form using both hand made and extruded clay coils**
- 1.3 Construct a ceramic container/form using soft and leather hard, hand and machined clay slabs**
- 1.4 Combine different hand forming techniques to shape a creative container/form**

**Common Course Number: ART 2750C**

**Unit 2 Wheel Forming Techniques**

**General Outcome:**

**2.0 The student shall: demonstrate wheel forming techniques, tools and equipment.**

**Specific Measurable Learning Outcomes:**

**Upon successful completion of this unit, the student shall be able to:**

- 2.1 Demonstrate the centering techniques basic to all wheel forming shapes**
- 2.2 Demonstrate the technique of cylinder throwing and create a ceramic container/form**
- 2.3 Develop handle form basic to wheel thrown forms**
- 2.4 Develop skills of wheel throwing basic bowl shapes**

**Common Course Number: ART 2750C**

**Unit 3 Surface Decorating Techniques**

**General Outcome:**

- 3.0 The student shall: demonstrate basic techniques used in decorating ceramic forms.**

**Specific Measurable Learning Outcomes:**

**Upon successful completion of this unit, the student shall be able to:**

- 3.1 Demonstrate the use of engobes to decorate ceramic container/forms**
- 3.2 Demonstrate the use of tools and techniques to create sgraffito**
- 3.3 Demonstrate incising techniques used to decorate ceramic forms**
- 3.4 Demonstrate mishima techniques used to decorate container/forms**

Common Course Number: ART 2750C

**Unit 4 Glazing**

**General Outcome:**

- 4.0 The student shall: demonstrate basic techniques for applying glaze to ceramic forms.**

**Specific Measurable Learning Outcomes:**

**Upon successful completion of this unit, the student shall be able to:**

- 4.1 Employ dipping techniques used to decorate ceramic container/forms**
- 4.2 Employ pouring techniques used to decorate ceramic container/forms**
- 4.3 Develop brushing techniques used to decorate ceramic container/forms**
- 4.4 Demonstrate the use of spraying tools and techniques used to decorate ceramic container/forms**
- 4.5 Mix a simple glaze from raw materials with a batch recipe**

**Unit 5 Technical Information**

**General Outcome:**

- 5.0 The student shall: discuss technical information related to clay bodies, kilns, firing and glazes.**

**Specific Measurable Learning Outcomes:**

**Upon successful completion of this unit, the student shall be able to:**

**5.1 Demonstrate knowledge of clay bodies including:**

- 5.1.1 Geological formation**
- 5.1.2 Chemical structure**
- 5.1.3 Types of clay and their characteristics**

**5.2 Demonstrate knowledge of firing, specifically:**

- 5.2.1 Chemical and physical changes in clay and glazes**
- 5.2.2 Stages in firing related to temperature**
- 5.2.3 Types of ceramic ware and their characteristic pyrometric cones**

**5.3 Demonstrate knowledge of glazes:**

- 5.3.1 Types of glazes and their characteristics**
- 5.3.2 Glaze defects**
- 5.3.3 Raw materials and their characteristics**
- 5.3.4 The empirical formula**
- 5.3.5 Safety in the use of materials**

**5.4 Demonstrate knowledge and use of kilns:**

- 5.4.1 Parts of kiln**
- 5.4.2 Types of kilns and their effects on firing**
- 5.4.3 Safety in the operation on kilns**

**Common Course Number: ART 2750C**

**Unit 6 Design Applied to Ceramic Art**

**General Outcome:**

- 6.0 The student shall: apply design concepts and identify appropriate materials for ceramic projects.**

**Specific Measurable Learning Outcomes:**

**Upon successful completion of this unit, the student shall 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**

**Common Course Number: ART 2750C**

**Unit 7 Cultural Traditions**

General Outcome:

- 7.0 The student shall: discuss and recognize and apply design concepts of world civilizations

Specific Measurable Learning Outcomes:

Upon successful completion of this unit, the student shall be able to:

7.1 Identify work from such areas as:

- 7.1.1 Asian ceramic ware
- 7.1.2 African ceramic ware
- 7.1.3 South American ceramic ware
- 7.1.4 Native North American ceramic ware
- 7.1.5 European ceramic ware
- 7.1.6 Modern and Contemporary Ceramic Art