

# ARTS-248: INTRODUCTION TO GLAZES

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## Effective Term

Fall 2025

## CC Approval

01/21/2025

## AS Approval

02/13/2025

## BOT Approval

02/20/2025

## COCI Approval

04/30/2025

## SECTION A - Course Data Elements

### CB04 Credit Status

Credit - Degree Applicable

### Discipline

Minimum Qualifications	And/Or
Art (Master's Degree)	

### Subject Code

ARTS - Arts

### Course Number

248

### Department

Arts (ARTS)

### Division

Arts and Humanities (ARAH)

### Full Course Title

Introduction to Glazes

### Short Title

Introduction to Glazes

### CB03 TOP Code

1002.30 - Ceramics

### CB08 Basic Skills Status

NBS - Not Basic Skills

### CB09 SAM Code

E - Non-Occupational

### Rationale

non substantive review update course to fit course leaf and add text book rational.

## SECTION B - Course Description

### Catalog Course Description

Designed for the student who wishes to understand how glazes are developed, prepared and used. Included are history of ceramic glazes, methods of developing and applying glazes, materials used in glazes, and practical experience in glazing testing and evaluation.

## SECTION C - Conditions on Enrollment

### Open Entry/Open Exit

No

### Repeatability

Not Repeatable

### Grading Options

Letter Grade or Pass/No Pass

### Allow Audit

Yes

## Requisites

## SECTION D - Course Standards

### Is this course variable unit?

No

### Units

3.00

### Activity Hours

108

### Outside of Class Hours

54

### Total Contact Hours

108

### Total Student Hours

162

## Distance Education Approval

### Is this course offered through Distance Education?

No

## SECTION E - Course Content

### Student Learning Outcomes

**Upon satisfactory completion of the course, students will be able to:**

1. Create glazes and ceramic works that utilize historic and contemporary references, practices, theories and materials while evaluating these glazes and works using proper visual art terminology.
2. Safely handle and maintain materials, studio facilities, and equipment.

### Course Objectives

**Upon satisfactory completion of the course, students will be able to:**

1. Demonstrate and identify the chemical symbols for basic elements.
2. Analyze the raw glaze materials, coloring oxides, and relate the role each element has in a glaze formula.
3. Test glazes using empirical methods: one line blend, one tri-axial blend, and one-color series, and evaluate results.
4. Plan and create one piece of work to be glazed with a selected test glaze.
5. Demonstrate understanding of history, theory, methods, and materials.

### Course Content

1. History of glazes: early development, types, Seger formula
2. Materials, chemical formulas: essential elements, materials, coloring

3. Testing glazes: trial and error, empirical, scientific method
4. Testing procedures
5. Glaze classification: visual, tactile, technical
6. Glaze qualities: defects, practical and aesthetic considerations
7. Kiln firing and loading

## Methods of Instruction

### Methods of Instruction

Types	Examples of learning activities
Field Trips	Students in this course will view artwork in the professional contexts of a gallery or museum. This activity will reinforce the student's understanding of historic and contemporary approaches to ceramics.
Lab	Instructor-guided lab time to apply concepts and skills to course content through guided exercises. Lab time will include both one-on-one and group instruction.
Lecture	Image and video-enhanced lectures covering core concepts, terminology, and historic development of ceramics followed by all-class or small-group discussions on the same topics. This studio art class will be taught with both formal and ongoing integrated lecture. Students will receive hands-on group demonstrations as well as one-on-one instruction, demonstration and direction. Lectures and demonstrations will often if not always be accompanied by visual aids and/or real hands-on experience. Further, students will learn by interacting with the materials and process inherent in studio art.
Critique	Oral or written group critiques analyzing finished examples of student work related to specific course assignments. Peer critiques reinforcing student's capacity to think critically about course assignments.
Observation and Demonstration	Glaze forming and testing demonstrations covering techniques, concepts, and material applications.
Other	Student presentations on historic and contemporary works from a diverse range of cultures.

## Methods of Evaluation

### Methods of Evaluation

Types	Examples of classroom assessments
Portfolios	Each student's "course portfolio" will be made up of assignments from the semester. The portfolio will be evaluated by the instructor and student at "final critique." Generally the creativity, craftsmanship, presentation and demonstrated improvement of the portfolio as a whole will be evaluated.
Exams/Tests	Tests and exams may be used to ensure each student is able to identify, understand and practically apply specific processes and techniques relevant to ceramic glazes.
Projects	Student self-evaluations, peer evaluations and instructor critique will be used to evaluate each project. Class participants may be given the opportunity to improve, elements and or redo each project before the end of the term and the final review of all projects as a whole within the "course portfolio."

## Assignments

### Reading Assignments

Selected readings from student proposals, textbook, class handouts, periodicals or library collections.

For example:

1. Students will read instructor-provided handouts (from "Cushing's Handbook") on glaze testing formats, concepts and terminology relative to this course level.
2. Students will research an historic or contemporary glaze recipe.

### Writing Assignments

Written critical self-analysis.

For example:

1. Write an essay analyzing the characteristics of your base glaze.
2. For example, a written self-evaluation of course work presented to the instructor at final critique.

**Other Assignments**

Completion of glaze tests and ceramic works that illustrate viable solutions to each assignment.

For example:

1. Using a line blend, and a triaxial blend complete at least 50 glaze test ultimately aimed at a specific goal.
2. Design a ceramic piece that will utilize the dominant characteristics of a glaze. In other words, build a ceramic work for a glaze.

**SECTION F - Textbooks and Instructional Materials**

**Material Type**

Manual

**Author**

Val Cushing

**Title**

Cushing's Handbook

**Publisher**

published by the author

**Year**

1994

**Material Type**

Textbook

**Author**

John Britt

**Title**

A Complete Guide to high-fire Glazes

**Edition/Version**

1st

**Publisher**

Union Square & Co

**Year**

2007

**Rationale**

This is the most current addition of this a standard text for this subject matter.

**ISBN #**

1600592163

**Course Codes (Admin Only)**

**ASSIST Update**

No

**CB00 State ID**

CCC000143887

**CB10 Cooperative Work Experience Status**

N - Is Not Part of a Cooperative Work Experience Education Program

**CB11 Course Classification Status**

Y - Credit Course

**CB13 Special Class Status**

N - The Course is Not an Approved Special Class

**CB23 Funding Agency Category**

Y - Not Applicable (Funding Not Used)

**CB24 Program Course Status**

Program Applicable

**Allow Pass/No Pass**

Yes

**Only Pass/No Pass**

No