



ARTS 248 - Introduction to Glazes Course Outline

Approval Date: 01/28/2011

Effective Date:

SECTION A

Unique ID Number CCC000143887

Discipline(s) Art

Division Arts and Humanities

Subject Area Art

Subject Code ARTS

Course Number 248

Course Title Introduction to Glazes

TOP Code/SAM Code 1002.30 - Ceramic Arts and Ceramics / E - Non-Occupational

Rationale for adding this course to the curriculum

Units 3

Cross List N/A

Typical Course Weeks

Total Instructional Hours

Contact Hours

Lecture 36.00

Lab 72.00

Activity 0.00

Work Experience 0.00

Outside of Class Hours 54.00

Total Contact Hours 108

Total Student Hours 162

Open Entry/Open Exit No

Maximum Enrollment

Grading Option Letter Grade or P/NP

Distance Education Mode of Instruction

SECTION B

General Education Information:

SECTION C

Course Description

Repeatability May be repeated 0 times

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

Schedule Description

SECTION D

Condition on Enrollment

1a. Prerequisite(s): *None*

1b. Corequisite(s): *None*

1c. Recommended: *None*

1d. Limitation on Enrollment: *None*

SECTION E

Course Outline Information

1. Student Learning Outcomes:

- A. 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.
- B. Safely handle and maintain materials, studio facilities, and equipment

2. Course Objectives: Upon completion of this course, the student will be able to:

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

3. Course Content

- A. History of glazes: early development, types, Seger formula.
- B. Materials, chemical formulas: essential elements, materials, coloring.
- C. Testing glazes: trial and error, empirical, scientific method.
- D. Testing procedures.
- E. Glaze classification: visual, tactile, technical.
- F. Glaze qualities: defects, practical and aesthetic considerations.
- G. Kiln firing and loading.

Lab Content (Lab activities need to be detailed and compliment the lecture content of the course):

- A. History of glazes: early development, types, Seger formula.
- B. Materials, chemical formulas: essential elements, materials, coloring.
- C. Testing glazes: trial and error, empirical, scientific method.
- D. Testing procedures.
- E. Glaze classification: visual, tactile, technical.
- F. Glaze qualities: defects, practical and aesthetic considerations.

G. Kiln firing and loading.

H.

4. Methods of Instruction:

Field Trips:

Lab:

Lecture:

Other (Specify):

Other: 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. Course content may be delivered through: ? Demonstration: Glaze forming and testing demonstrations covering techniques, concepts, and material applications. ? Critique: Oral or written group critiques analyzing finished examples of student work related to specific course assignments. ? Lectures: 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. ? Collaborative Learning: Peer critiques reinforcing students' capacity to think critically about course assignments. ? 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. ? Class Trips: Students in this course will view artwork in the professional contexts of a gallery or museum. This activity will reinforce the students' understanding of historic and contemporary approaches to ceramics. ? Performance: Student presentations on historic and contemporary works from a diverse range of cultures.

5. Methods of Evaluation: Describe the general types of evaluations for this course and provide at least two, specific examples.

Typical classroom assessment techniques

Final Exam --

Additional assessment information:

1. Projects submitted at regular intervals for group critique and evaluation by instructor.

a. For example, students will be evaluated on their testing procedures, glaze tests, and choices of glazes for application suitability.

Class participants will then address their success in creating and using appropriate glazes for various form. Students should utilize proper visual art critique terminology including references to the elements and principles of art.

b. For example, students will research a contemporary or historical ceramic glaze and change it to better suit their needs. Class participants will then address how closely the results compare to the goal.

2. Studio Responsibilities:

a. Students will be observed as to how they use and maintain studio equipment and materials. Further, they will be evaluated on their participation in group activities.

3. Final exam (objective and essay).

Letter Grade or P/NP

6. Assignments: State the general types of assignments for this course under the following categories and provide at least two specific examples for each section.

A. 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.

B. Writing Assignments

Writing:

1. Written critical self-analysis.
 - a. For example, write an essay analyzing the characteristics of your base glaze.
 - b. For example, a written self-evaluation of course work presented to the instructor at final critique.

Performance:

1. Completion of glaze tests and ceramic works that illustrate viable solutions to each assignment.
 - a. For example, design a ceramic piece that will utilize the dominant characteristics of a glaze. In other words, build a piece for a glaze.

C. Other Assignments

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7. Required Materials

A. EXAMPLES of typical college-level textbooks (for degree-applicable courses) or other print materials.

Book #1:

Author: John Britt
Title: The Complete Guide to High-Fire Glazes
Publisher: Lark Books
Date of Publication: 2007
Edition: 1st

B. Other required materials/supplies.