ART M75: GLAZE DESIGN II

Originator
gzucca

Co-Contributor(s)

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College
Moorpark College

Discipline (CB01A)
ART - Art

Course Number (CB01B)
M75

Course Title (CB02)
Glaze Design II

Banner/Short Title
Glaze Design II

Credit Type
Credit

Start Term
Fall 2023

Formerly
ART M60F - Topic/Glaze Chemistry

Catalog Course Description
Investigates glaze experimentation. Develops techniques for formulating new glazes, including firing at various temperatures.

Taxonomy of Programs (TOP) Code (CB03)
1009.00 - *Applied Design

Course Credit Status (CB04)
D (Credit - Degree Applicable)

Course Transfer Status (CB05) (select one only)
A (Transferable to both UC and CSU)

Course Basic Skills Status (CB08)
N - The Course is Not a Basic Skills Course

SAM Priority Code (CB09)
C - Clearly Occupational

Course Cooperative Work Experience Education Status (CB10)
N - Is Not Part of a Cooperative Work Experience Education Program

Course Classification Status (CB11)
Y - Credit Course

Educational Assistance Class Instruction (Approved Special Class) (CB13)
N - The Course is Not an Approved Special Class

Course Prior to Transfer Level (CB21)
Y - Not Applicable

Course Noncredit Category (CB22)
Y - Credit Course

Funding Agency Category (CB23)
Y - Not Applicable (Funding Not Used)

Course Program Status (CB24)
2 - Not Program Applicable

General Education Status (CB25)
Y - Not Applicable

Support Course Status (CB26)
N - Course is not a support course

Field trips
May be required

Faculty notes on field trips; include possible destinations or other pertinent information
To the beach in Malibu Thornhill Broome & Museums

Grading method
(L) Letter Graded

Alternate grading methods
(O) Student Option- Letter/Pass
(P) Pass/No Pass Grading

Does this course require an instructional materials fee?
No

Repeatable for Credit
No

Is this course part of a family?
No

Units and Hours

Carnegie Unit Override
No

In-Class

Lecture
Minimum Contact/In-Class Lecture Hours
17.5
Maximum Contact/In-Class Lecture Hours
17.5

Activity

Laboratory
Minimum Contact/In-Class Laboratory Hours
105
Maximum Contact/In-Class Laboratory Hours
105

Total in-Class

Total in-Class
Total Minimum Contact/In-Class Hours
122.5
Total Maximum Contact/In-Class Hours
122.5

Outside-of-Class

Internship/Cooperative Work Experience

Paid

Unpaid

Total Outside-of-Class

Total Outside-of-Class
Minimum Outside-of-Class Hours
35
Maximum Outside-of-Class Hours
35

Total Student Learning

Total Student Learning
Total Minimum Student Learning Hours
157.5
Total Maximum Student Learning Hours
157.5

Minimum Units (CB07)
3
Maximum Units (CB06)
3

Prerequisites
ART M74

Entrance Skills

Entrance Skills
ART M74

Prerequisite Course Objectives
ART M74-demonstrate knowledge and experience in glaze mixing.
ART M74-demonstrate knowledge of the most common oxides in glaze.
ART M74-demonstrate understanding in glaze test methodology.
ART M74-analyze and critique glazes.
ART M74-test and adjust new glaze formula.
ART M74-utilize glaze formulation software, understand and predict glaze characteristics.

ART M74-demonstrate knowledge and experience in kiln loading and firing for bisque and glaze.
ART M74-demonstrate knowledge and experience in glaze formulation ingredients and vocabulary.
ART M74-create notebook with project ideas and sketches.
ART M74-complete a series of clay projects that test and show the glazes that were developed in the course.
ART M74-analyze and critique ceramic works of art.
ART M74-demonstrate an understanding of a diverse range of artworks and artistic movements throughout historical and contemporary art, including those from the traditional western canon and those from underrepresented non-western cultures.
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Requisite Justification

Requisite Type

Prerequisite

Requisite

ART M74

Requisite Description

Course in a sequence

Level of Scrutiny/Justification

Closely related lecture/laboratory course

Student Learning Outcomes (CSLOs)

	Upon satisfactory completion of the course, students will be able to:
1	demonstrate creative and critical thinking, with an awareness and sensitivity to individual and cultural differences, as they research, produce, analyze and evaluate glaze designs at an intermediate level.
2	design and develop glaze test methodology for a series of glaze experiments that reflect the students own interest and help in furthering the students creative direction.
3	identify the elements and principles of design and demonstrate their roles in relation to intermediate level glaze design vocabulary and works of art.

Course Objectives

	Upon satisfactory completion of the course, students will be able to:
1	demonstrate knowledge and experience in glaze mixing and safety procedures.
2	demonstrate knowledge of the most common oxides and materials in glazes.
3	design and develop glaze test methodology for a series of glaze experiments that reflect the student's own interest and help in furthering the student's creative direction.
4	formulate new glazes for a series of glaze experiments that reflect the student's own interest and help in furthering the student's creative direction.
5	create a series of ceramics forms that reflect the student's own interest and help in furthering the student's creative direction.
6	demonstrate knowledge and experience in kiln firing: A. Low fire B. High fire C. Crystalline D. Oxidation/Reduction
7	analyze and critique glazes and ceramic works of art.
8	present a portfolio display of finished works of art that utilize formulated glaze.
9	demonstrate an understanding of a diverse range of artworks and artistic movements throughout historical and contemporary art, including those from the traditional western canon and those from underrepresented non-western cultures.
10	demonstrate creativity and sensitivity as they research, produce, analyze and critique works of art, while maintaining an awareness of diversity, equity and inclusion.

Course Content

Lecture/Course Content

5% Review glaze mixing basics
A. Safety
B. Hazards
C. Batch recipe
D. Unity Molecular Formula (UMF)
E. Step-by-step mixing instructions

60% Testing glazes:
A. Initial test
B. Assessment, analysis
C. Further experimentation
D. Larger batch testing
E. Testing of ceramics works

15% Analyze and critique glaze and ceramic works of art:
A. Individual critique
B. Class critique
C. Presentation

20% Glaze test methodology:
A. Research glaze from historic and contemporary artists
B. Analysis
C. Computer models, UMF
D. Trial and error
E. Line blend test
F. Triaxial test
G. Quadraxial test

Laboratory or Activity Content

80% Classroom exercises and longer-term projects
A. Assignment
B. Research historic and contemporary inspirational artists
C. Sketches
D. Finalization of project
E. Formatting

20% Critique
A. Sketches and ideas
B. Project presentation
C. Final portfolio presentation

Methods of Evaluation

Which of these methods will students use to demonstrate proficiency in the subject matter of this course? (Check all that apply):

Written expression
Skills demonstrations

Methods of Evaluation may include, but are not limited to, the following typical classroom assessment techniques/required assignments (check as many as are deemed appropriate):

Essay exams
Group projects
Individual projects
Objective exams
Oral analysis/critiques
Oral presentations
Portfolios
Quizzes
Reports/papers
Research papers
Skills demonstrations
Written analyses
Written compositions
Classroom Discussion
Projects
Participation
Reports/Papers/Journals

Instructional Methodology

Specify the methods of instruction that may be employed in this course

Distance Education
Laboratory activities
Lecture
Other (specify)

Specify other method of instruction

Instructor-led group analysis and discussion of design issues.

Describe specific examples of the methods the instructor will use:

lecture and videos on firing digital electric kilns, including step by step instructions. Then students program load and fire their own projects.
one on one analysis of glaze results, including discussion and planning of steps to continue investigation of glaze experiments.

Representative Course Assignments

Writing Assignments

written proposal for a specific glaze to be developed, including physical description, material that might be used, steps to develop the glaze.
written reflection on education, artistic and career goals.
written proposal for three glaze development studies.
written paper on a gallery visit.

Critical Thinking Assignments

design an exhibition of ceramics works to be presented to the class.
create a series of ceramics works that are tied together visually and conceptually.
formulate a high-fire glaze, test fire formulation, then compare expected results with actual results.
develop a glaze test methodology to be used to achieve a desired glaze.
research and propose three glaze development investigations

Reading Assignments

read articles about specific glazes and processes.
read article about a ceramics process from non-western cultures.

Skills Demonstrations

utilize of safe glaze mixing procedures.
create glaze test tiles.
mix glaze recipe into larger batch recipe, then test firing glaze.
firing kilns

Problem-Solving and Other Assignments (if applicable)

analyze glaze formula, propose glaze recipe alteration to a desired color and texture at a specific temperature.
develop a glaze alteration plan.

Outside Assignments

Representative Outside Assignments

keep a sketchbook/journal of preparatory work for classroom projects.
research glazes, art historical work and imagery.
propose specific glaze altering strategy.

Articulation

Equivalent Courses at 4 year institutions

University	Course ID	Course Title	Units
no comparable course found at a CSU or UC			

Comparable Courses within the VCCCD

ART V53B - Ceramic Glaze Theory II

Equivalent Courses at other CCCs

College	Course ID	Course Title	Units
Grossmont College	ART 136	Glaze Formation	3
Santa Barbara CC	ART 155	Glaze Formation	3

District General Education

A. Natural Sciences

B. Social and Behavioral Sciences

C. Humanities

D. Language and Rationality

E. Health and Physical Education/Kinesiology

F. Ethnic Studies/Gender Studies

Course is CSU transferable

Yes

CSU Baccalaureate List effective term:

F1995

CSU GE-Breadth

Area A: English Language Communication and Critical Thinking

Area B: Scientific Inquiry and Quantitative Reasoning

Area C: Arts and Humanities

Area D: Social Sciences

Area E: Lifelong Learning and Self-Development

Area F: Ethnic Studies

CSU Graduation Requirement in U.S. History, Constitution and American Ideals:

UC TCA

UC TCA

Approved

IGETC

Area 1: English Communication

Area 2A: Mathematical Concepts & Quantitative Reasoning

Area 3: Arts and Humanities

Area 4: Social and Behavioral Sciences

Area 5: Physical and Biological Sciences

Area 6: Languages Other than English (LOTE)

Textbooks and Lab Manuals

Resource Type
Textbook

Description
Creber, Diane. *Crystalline Glazes (Ceramics Handbook)*. 2nd ed., University of Pennsylvania, 2005.

Resource Type
Textbook

Description
Britt, John. *The Complete Guide to High-Fire Glazes: Glazing and Firing at Cone 10*. Lark Crafts, 2007.

Resource Type
Textbook

Description
Rhodes, Daniel. *Clay and Glazes for the Potter*. Martino Fine Books, 2015.

Resource Type
Software

Description
GlazeMaster,
PotteryNotes ListGizmo app

Resource Type
Websites

Description
https://www.getty.edu,
https://digitalfire.com

Library Resources

Assignments requiring library resources
Research, using the Library's print and online resources.

Sufficient Library Resources exist
Yes

Example of Assignments Requiring Library Resources
Research, using the Library's print and online resources, glazes used on ceramic art pieces and analyze their effects.

Distance Education Addendum

Definitions

Distance Education Modalities
100% online

Faculty Certifications

Faculty assigned to teach Hybrid or Fully Online sections of this course will receive training in how to satisfy the Federal and state regulations governing regular effective/substantive contact for distance education. The training will include common elements in the district-supported learning management system (LMS), online teaching methods, regular effective/substantive contact, and best practices.
Yes

Faculty assigned to teach Hybrid or Fully Online sections of this course will meet with the EAC Alternate Media Specialist to ensure that the course content meets the required Federal and state accessibility standards for access by students with disabilities. Common areas for discussion include accessibility of PDF files, images, captioning of videos, Power Point presentations, math and scientific notation, and ensuring the use of style mark-up in Word documents.
Yes

Regular Effective/Substantive Contact

100% online Modality:

Method of Instruction	Document typical activities or assignments for each method of instruction
Other DE (e.g., recorded lectures)	Recorded lectures, Narrated Slides, Screencasts, Instructor created content, Discussions, 3rd Party (Publisher) Tools, Websites and Blogs, Multimedia (YouTube, Films on Demand, 3CMedia, Khan Academy, etc.)
Asynchronous Dialog (e.g., discussion board)	Regular Asynchronous discussion boards will be used to encourage discussion among students where they can compare and contrast/ discuss /identify and analyze elements of course outcomes. Other Discussion boards will also be used for Q&A, and general class discussion by students and the instructor to facilitate student learning outcomes.
Synchronous Dialog (e.g., online chat)	Communication, Online office hours, Online group discussions.
E-mail	Email, class announcements and tools such as “Message Students Who” and “Assignment Comments” in Canvas will be used to regularly communicate with all students to clarify class content, remind of upcoming assignments, and provide immediate feedback to students on coursework to facilitate student learning outcomes. Students will be given multiple ways to email instructor through Canvas inbox and faculty provided email account through their own canvas email and school email.

Primary Minimum Qualification
ART

Review and Approval Dates

Department Chair
11/08/2022

Dean
11/10/2022

Technical Review
02/02/2023

Curriculum Committee
2/7/2023

DTRW-I
MM/DD/YYYY

Curriculum Committee
MM/DD/YYYY

Board
MM/DD/YYYY

CCCCO
MM/DD/YYYY

Control Number
CCC000592721

DOE/accreditation approval date
MM/DD/YYYY