ART187 : Ceramics II

General Information

Author:	• Tobin Sparfeld
Course Code (CB01) :	ART187
Course Title (CB02) :	Ceramics II
Department:	ART
Proposal Start:	Winter 2025
TOP Code (CB03) :	(1002.30) Ceramics
CIP Code:	(50.0711) Ceramic Arts and Ceramics.
SAM Code (CB09) :	Non-Occupational
Distance Education Approved:	No
Will this course be taught asynchronously?:	No
Course Control Number (CB00) :	CCC000326826
Curriculum Committee Approval Date:	05/08/2024
Board of Trustees Approval Date:	06/18/2024
Last Cyclical Review Date:	05/08/2024
Course Description and Course Note:	ART 187 is a continued study in the fundamentals of the ceramic process that focuses on wheel throwing techniques. Through concentrated exercises, students sharpen skills and increase their ability to produce work of greater quality, size, and range of form. Students research, formulate, and test a glaze of their own choice. Various methods of firing ceramic vessels are explored.
Justification:	Mandatory Revision
Academic Career:	• Credit
Author:	No value

Academic Senate Discipline

Primary Discipline:	• Art
Alternate Discipline:	No value
Alternate Discipline:	No value

Course Development

Basic Skill Status (CB08)

Course is not a basic skills course.

☐ Allow Students to Gain Credit by Exam/Challenge

Course Special Class Status (CB13)

Course is not a special class.

Pre-Collegiate Level (CB21)

Not applicable.

Grading Basis

- Grade with Pass / No-Pass Option

Course Support Course Status (CB26)

Course is not a support course

Transferability & Gen. Ed. Options

General Education Status (CB25)

Not Applicable

Transferability

Transferable to both UC and CSU

Transferability Status

Approved

Units and Hours

Summary

Minimum Credit Units (CB07)	3
Maximum Credit Units (CB06)	3
Total Course In-Class (Contact) Hours	72
Total Course Out-of-Class Hours	90
Total Student Learning Hours	162

Credit / Non-Credit Options

Course Type (CB04)

Credit - Degree Applicable

Noncredit Course Category (CB22)

Credit Course.

Noncredit Special Characteristics

No Value

Course Classification Code (CB11)

Credit Course.

Funding Agency Category (CB23)

Not Applicable.

☐ Cooperative Work Experience Education Status (CB10)

☐ Variable Credit Course

Weekly Student Hours

	In Class	Out of Class
Lecture Hours	2.5	5
Laboratory Hours	1.5	0
Studio Hours	0	0

Course Student Hours

Course Duration (Weeks)	18
Hours per unit divisor	54
Course In-Class (Contact) Hours	
Lecture	45
Laboratory	27
Studio	0
Total	72
Course Out-of-Class Hours	
Lecture	90
Laboratory	0
Studio	0
Total	90

Time Commitment Notes for Students

No value

Units and Hours - Weekly Specialty Hours

Activity Name	Type	In Class	Out of Class
No Value	No Value	No Value	No Value

Pre-requisites, Co-requisites, Anti-requisites and Advisories

Prerequisite

ART186 - Ceramics I

Objectives

- Create ceramic vessels using a variety of methods including wheel throwing and hand building.
- Apply surface design to a pottery form by methods such as stamping, carving, and painting.
- Glaze pottery forms by a variety of techniques including wax resist and oxide design.
- Identify the various types of clays and their working properties.
- Identify the main ingredients in ceramic glazes and explain their individual functions.
- Identify the main types of kilns and explain how they function.
- Evaluate classmates' work through oral critique.

Entry Standards

Entry Standards

Course Limitations

Cross Listed or Equivalent Course

Specifications

Methods of Instruction

Methods of Instruction	Lecture
Methods of Instruction	Demonstrations

Methods of Instruction	Collaborative Learning
Methods of Instruction	Multimedia
Methods of Instruction	Laboratory

Out of Class Assignments

- Sudents are assigned lab practice time (e.g. students create ceramic vessels to build throwing and glazing skills)
- Museum research report (e. g. students attend a local museum, select one historical ceramic vesssel, write a 5-page report on techniques used and cultural context of the vessel using primary and secondary sources)
- Portfolio (e.g. students create a portfolio of representative ceramic vessels)

Methods of Evaluation	Rationale
Exam/Quiz/Test	Mid-term
Writing Assignment	Students research and write a 5-page paper on a method of surface design of their own choice
Evaluation	Final project critique

Textbook Rationale

This is a classic textbook in ceramics. The information on the listed books doesn't change, as techniques, the geology and chemistry of clay are the same

Textbooks

Author	Title	Publisher	Date	ISBN
Peterson, Susan	The Craft and Art of Clay: A Complete Potter's Handbook	Laurence King Publishing	2012	978-1856697286

Other Instructional Materials (i.e. OER, handouts)

No Value

Materials Fee

A material/lab fee may be required for this course.

Learning Outcomes and Objectives

Course Objectives

Create wheel thrown ceramic vessels of at least 6” in height or width.

Create wheel thrown lidded forms with at least two different types of lid fittings.

Create multiple forms from one piece of clay ('throwing off the hump').

Create forms by assembling separately thrown parts.

Apply surface design to pottery forms by methods such as sgraffito.

Glaze pottery forms by a variety of techniques including wax resist and oxide design.

Identify the differences between low temperature and high temperature clays.

Identify the coloring oxides used in high temperature ceramic glazes and explain their individual functions.

Formulate and test a high temperature glaze.

Explain the differences between oxidation and reduction firing procedures.

Report in writing on ceramic design techniques.

Evaluate their work and that of others through group oral critiques.

SLOs

Construct functional and sculptural forms using different throwing methods. Expected Outcome Performance: 70.0

ILOs Core ILOs	Analyze and solve problems using critical, logical, and creative thinking; ask questions, pursue a line of inquiry, and derive conclusions; cultivate creativity that leads to innovative ideas.
	Demonstrate depth of knowledge in a course, discipline, or vocation by applying practical knowledge, skills, abilities, theories, or methodologies to solve unique problems.
ART Art - Certificate	Define and use core concepts in 2D and 3D art
	Demonstrate skill in a broad range of media, materials and processes
ART Art - A.S. Degree Major	Define and use core concepts in 2D and 3D art
	Demonstrate skill in a broad range of media, materials and processes
ART Studio Arts	Demonstrate intermediate mastery in a range of 2D/3D visual media
	Employ basic concepts in 2D design and drawing, or 3D design and drawing-for-sculpture; create portfolio ready, original artworks

ART Ceramics - Certificate	define and use core concepts used in the ceramic area;
	demonstrate skill in a broad range of ceramic techniques;
	produce original work that demonstrates a high level of craft;
ART Ceramics - A.S. Degree Major	define and use core concepts used in the ceramic area;
	demonstrate skill in a broad range of ceramic techniques;
	produce original work that demonstrates a high level of craft;

Assemble glaze mixes for testing. Expected Outcome Performance: 70.0

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Additional SLO Information

Does this proposal include revisions that might improve student attainment of course learning outcomes?

No

Is this proposal submitted in response to learning outcomes assessment data?

No

If yes was selected in either of the above questions for learning outcomes, explain and attach evidence of discussions about learning outcomes.

No Value

SLO Evidence

No Value

Course Content

Lecture Content

Orientation (5 hours)
- Overview of the class, required projects, grading procedures
- Overview of studio rules and procedures
- Slides of representative projects and contemporary ceramics

Choice of Clay Bodies to be Used (7 hours)
- Discussion of earthenware, stoneware, and porcelain clays
- Representative examples of these clays are shown to contrast their appearance and characteristics
- Students prepare test pieces of the various clays for glaze testing

Review of Wheel Throwing Basics (7 hours)
- Wedging of clay to remove air
- Centering the clay on the wheel
- Opening of the centered mound
- Lifting for height
- Shaping of desired forms
- Throwing of simple cylinder forms for use in trimming and glazing tests

Wheel Throwing and Trimming of Pottery Forms (6 hours)
- Designing and throwing bowl forms for various functions
- Trimming methods to create a footring and remove excess clay
- Designing and throwing cups and pitcher forms
- Designing and throwing various lidded forms
- Designing and throwing plate forms

Surface Design and Glazing Techniques (7 hours)
- Surface design utilizing the graffito technique
- Surface design utilizing the oxide painting technique
- Surface design utilizing the wax resist technique
- Surface design utilizing the glaze overlap technique

Introduction to Glaze Composition (7 hours)
- History of glaze technology and early glaze formulation
- Lecture on the types of glazes, their chemical compositions
- Demonstration of proper methods of glaze preparation
- Special types of glazes
- Analysis of sample glaze formulas
- Safety issues associated with handling glaze materials
- Students prepare and test at least one glaze of their own choice

Introduction to Kilns (6 hours)
- Historical overview of the evolution of the kiln design
- Discussion of the influence of kiln temperature and
- Atmosphere on glaze and clay color
- Use of pyrometric cones and pyrometers to determine the end point of a firing
- Contemporary kilns
    - Natural gas
    - Electric
- Safety issues associated with kilns

Total hours: 45

Laboratory/Studio Content

Choice of Clay Bodies to be Used (7 hours)
- Discussion of earthenware, stoneware, and porcelain clays
- Representative examples of these clays are shown to contrast their appearance and characteristics
- Students prepare test pieces of the various clays for glaze testing

Review of Wheel Throwing Basics (6 hours)
- Wedging of clay to remove air
- Centering the clay on the wheel
- Opening of the centered mound
- Lifting for height
- Shaping of desired forms

- Throwing of simple cylinder forms for use in trimming and glazing tests

Wheel Throwing and Trimming of Pottery Forms (7 hours)

- Designing and throwing bowl forms for various functions
- Trimming methods to create a footring and remove excess clay
- Designing and throwing cups and pitcher forms
- Designing and throwing various lidded forms
- Designing and throwing plate forms

Surface Design and Glazing Techniques (7 hours)

- Surface design utilizing the graffito technique
- Surface design utilizing the oxide painting technique
- Surface design utilizing the wax resist technique
- Surface design utilizing the glaze overlap technique

Total hours: 27

Additional Information

Is this course proposed for GCC Major or General Education Graduation requirement? If yes, indicate which requirement in the two areas provided below.

No

GCC Major Requirements

No Value

GCC General Education Graduation Requirements

No Value

Repeatability

Not Repeatable

Justification (if repeatable was chosen above)

No Value

Resources

Did you contact your departmental library liaison?

No

If yes, who is your departmental library liason?

No Value

Did you contact the DEIA liaison?

No

Were there any DEIA changes made to this outline?

No

If yes, in what areas were these changes made:

No Value

Will any additional resources be needed for this course? (Click all that apply)

- No

If additional resources are needed, add a brief description and cost in the box provided.

No Value