

ART188 : Advanced Ceramics I

General Information

Author:	<ul style="list-style-type: none">Tobin Sparfeld
Course Code (CB01) :	ART188
Course Title (CB02) :	Advanced Ceramics I
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) :	CCC000323704
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 188 is an advanced course involving work on the potter's wheel requiring consistency and accuracy of results. Students learn how to create ceramic vessels of matching sizes and shapes by designing and forming multiples and sets of objects. Awareness of three-dimensional form and surface design are heightened by individual and group critiques. Students work towards a more individual statement by further experimentation with a variety of clay bodies, glazes, and firing techniques. Under supervision the students assist in a loading and firing of kilns.
Justification:	Mandatory Revision
Academic Career:	<ul style="list-style-type: none">Credit
Author:	No value

Academic Senate Discipline

Primary Discipline:	<ul style="list-style-type: none">Art
Alternate Discipline:	No value
Alternate Discipline:	No value

Course Development

Basic Skill Status (CB08) Course is not a basic skills course.	Course Special Class Status (CB13) Course is not a special class.	Grading Basis <ul style="list-style-type: none">Grade with Pass / No-Pass Option
<input type="checkbox"/> Allow Students to Gain Credit by Exam/Challenge	Pre-Collegiate Level (CB21) Not applicable.	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.

Variable Credit Course

Funding Agency Category (CB23)

Not Applicable.

Cooperative Work Experience
 Education Status (CB10)

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

ART187 - Ceramics II (in-development)

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.

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	Laboratory			
Methods of Instruction	Multimedia			
Out of Class Assignments				
<ul style="list-style-type: none"> • 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 vessel, 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 exam			
Writing Assignment	Students research and write a 5-page paper on a period of ceramic history 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 10" in height or width.

Create a set of matched bowl forms.

Create a teapot form with matching tea bowls.

Formulate and test a base glaze with at least three oxide color variations.

Assist in the loading and firing of a glaze kiln.

Report in writing on a period of ceramic history.

Compare and contrast works from different periods in ceramic history.

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

SLOs

Manipulate thrown work to form sculptural and functional ware.

Expected Outcome Performance: 70.0

<i>ILOs</i> 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.
<i>ART</i> Art - Certificate	Define and use core concepts in 2D and 3D art
	Demonstrate skill in a broad range of media, materials and processes
	Produce original work the demonstrate a high level of craft
<i>ART</i> 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
	Produce original work the demonstrate a high level of craft
<i>ART</i> 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
<i>ART</i> 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;

<i>ART</i> 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;

Arrange a mix of glazes using different coloring oxides.

Expected Outcome Performance: 70.0

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Course Content

Lecture Content

Orientation (7 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 (8 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 (8 hours)

- Throwing for greater height
 - Lifting techniques
 - Speed techniques
- Vase forms
 - Historical examples
 - Contemporary examples
 - Throwing forms with narrow necks
 - Closed forms
- Matched sets

- Use of calipers to assist in throwing matched sets
- Trimming demonstrations to assist in matching forms
- Set matching bowl forms
- Teapots with matching tea bowls
- Bowls with added pedestal bases

Surface Design Techniques (8 hours)

- Mishima
- Majolica
- Over glaze and luster
- Airbrush and stencil

Glaze Formulation and Testing (8 hours)

- Discussion of the requirements of a proper base glaze
- Students research base glaze formulas
- Representative samples of base glazes are shown
- Uses of metallic oxides for coloring base glazes are discussed
- Demonstration of weighing /screening and mixing a colored glaze
- Students prepare and test their own base and colored glazes

Kiln Loading and Firing (6 hours)

- Proper methods of stacking gas and electric kilns
- Safety precautions in stacking and firing are discussed
- Students stack and fire a kiln under supervision

Total hours: 45

Laboratory/Studio Content

Choice of Clay Bodies to be Used (5 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

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 - Lifting techniques
 - Speed techniques
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Kiln Loading and Firing (5 hours)

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- Safety precautions in stacking and firing are discussed
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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 liaison?

No Value

Did you contact the DEIA liaison?

No

Were there any DEIA changes made to this outline?

No Value

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