

ART-2200: CERAMICS: ADVANCED HANDBUILDING

Cuyahoga Community College

Viewing: ART-2200 : Ceramics: Advanced Handbuilding

Board of Trustees:

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Academic Term:

Fall 2023

Subject Code

ART - Art

Course Number:

2200

Title:

Ceramics: Advanced Handbuilding

Catalog Description:

Focus on advanced handbuilding techniques and skills development in ceramics. Expand ability to work creatively with clay. Explore conceptual idea development and creative expression. Research historical and contemporary ceramics. To further advance skills, course may be repeated for up to 9 credits, 6 of which are applicable to CCC degree requirements.

Credit Hour(s):

3

Lecture Hour(s):

1

Lab Hour(s):

5

Requisites

Prerequisite and Corequisite

ART-1700 Ceramics I, or departmental approval: comparable skills.

Outcomes

Course Outcome(s):

Create ceramic projects that utilize handbuilding techniques.

Essential Learning Outcome Mapping:

Critical/Creative Thinking: Analyze, evaluate, and synthesize information in order to consider problems/ideas and transform them in innovative or imaginative ways.

Objective(s):

1. Design and create complex projects using handbuilding techniques: pinch, coil and slab.
2. Explore additional handbuilding techniques such as hollowing solids, armatures, simple mold-making, slip casting, etc.
3. Detect, identify and solve technical issues in the construction of complex ceramic objects.
4. Apply craftsmanship and attention to detail.
5. Recognize relevant historical traditions and contemporary trends in ceramic art.
6. Support design development with sketches in 2D and 3D, progress notes, embellishment drawings, and researched reference materials.

Course Outcome(s):

Apply principles of 3-D design in the creation of ceramic artwork.

Essential Learning Outcome Mapping:

Critical/Creative Thinking: Analyze, evaluate, and synthesize information in order to consider problems/ideas and transform them in innovative or imaginative ways.

Objective(s):

1. Apply 3-D design principles to solve visual problems and communicate creative expression.
2. Practice effective problem-solving strategies and techniques as related to complex 3-D design objectives.
3. Discuss formal design principles as related to functional objects.
4. Identify and interpret 3-D design principles and conceptual content in historic and contemporary art examples.
5. Experiment with individual style and interpretation of design concepts.

Course Outcome(s):

Employ a variety of surface treatment techniques.

Essential Learning Outcome Mapping:

Critical/Creative Thinking: Analyze, evaluate, and synthesize information in order to consider problems/ideas and transform them in innovative or imaginative ways.

Objective(s):

1. Identify, test, and adapt a variety of decorative surface techniques for use .
2. Identify, test, and adapt a variety of glaze application methods for use.
3. Employ design principles as they pertain to the surface treatment of ceramic objects.
4. Detect, identify, and solve surface decoration challenges and defects.
5. Recognize, employ, and adapt variations of clay bodies, slips, and glazes.

Course Outcome(s):

Analyze and evaluate one's own projects, the work of peers, and the artworks of historical and contemporary artists.

Essential Learning Outcome Mapping:

Critical/Creative Thinking: Analyze, evaluate, and synthesize information in order to consider problems/ideas and transform them in innovative or imaginative ways.

Objective(s):

1. Critique artworks: observe, describe, analyze and evaluate in-progress and completed artworks.
2. Identify elements and principles of 3-D design in art objects.
3. Use ceramic terminology in oral or written assignments and critiques.
4. Self-evaluate, peer-evaluate, and contribute to whole-class critiques.
5. Receive and offer constructive feedback.
6. Discuss historical and contemporary trends, materials and approaches in ceramics.
7. Interpret the relationship of meaning, design and technical processes used to create ceramic art objects.

Course Outcome(s):

Demonstrate professionalism, effective time management and productive studio work habits when completing ceramic projects.

Objective(s):

1. Demonstrate independence in the management of time and handling of materials/ equipment to successfully complete projects on schedule.
2. Use a variety of processes and methods exhibiting a high degree of craftsmanship.
3. Practice effective problem-solving strategies and techniques.
4. Exhibit co-operative and productive work habits in the studio-classroom.
5. Measure and self-assess individual progress and skills development.
6. Identify and practice necessary safety practices working with clay materials.
7. Identify and practice necessary safety precautions for handling chemicals and operating tools/equipment.

Methods of Evaluation:

- a. Class participation
- b. In-progress review
- c. Portfolio of completed projects
- d. Peer/group critique
- e. Written and oral critique
- f. Sketchbook/journal work
- g. Quizzes
- h. Examinations
- i. Research reports or presentations
- j. Exhibition reviews

Course Content Outline:

- a. Review of studio policies and procedures
 - i. Studio set-up and clean-up procedures
 - ii. Inventory, storage and usage of general studio equipment, tools and materials
 - iii. Time management regarding the ceramic art making process
 - iv. Safety procedures and hazard information
 - v. Studio etiquette
- b. Instruction and demonstration of handbuilding skills to create complex forms
 - i. Review basic techniques, associated tools and relevant terminology
 - ii. Basic handbuilding techniques:
 1. Pinch
 2. Coil
 3. Soft and stiff slab
 4. Hump/slump molding
 5. 'Score and slip' attachment
 6. Extrusion
- c. Advanced techniques and strategies for using techniques in combination
 - i. Hollowing out solid construction
 - ii. Altering and paddle forming
 - iii. Constructing with complex patterns/templates
 - iv. Assemblage, modular construction
 - v. Constructing large scale
 - vi. Building armatures
 - vii. Mold making and slip casting
- d. Design of handbuilt forms
 - i. Principles of 3-D design
 1. Unity and variety
 2. Balance
 3. Scale
 4. Proportion
 5. Emphasis
 6. Repetition
 7. Rhythm
 - ii. Craftsmanship and attention to detail
 - iii. Functional and non-functional possibilities
 1. Vessels
 2. Objects
 3. Sculptures
 - iv. Further variation and combinations
 1. Geometric
 2. Organic
 3. Architectural
 4. Figurative
 5. Narrative

6. Abstract
7. Modular
8. Mixed-media
9. Conceptual
- e. Approaches to surface treatments
 - i. Decorative surface techniques on leather hard clay, green-ware, and bisque-ware
 1. Texturing
 2. Incising
 3. Carving
 4. Impressing
 5. Slip techniques
 6. Relief appliqué
 7. Oxide/stain washes
 8. Other
 - ii. Methods of glaze application
 1. Dip
 2. Pour
 3. Brush
 4. Sponge
 5. Spray
 - iii. Decorative glaze techniques
 1. Overglaze
 2. Decals
 3. Stenciling
 4. Resists
 5. Other
- f. Analysis of the technical aspects of ceramic art making
 - i. The sequential stages of the entire ceramic process, including mixing of raw clay materials, kiln firing methods/procedures, and glazing
 - ii. Clay and glaze formulation theory
 1. Absorption
 2. Shrinkage
 3. Plasticity/maturation
 4. Color response
 5. Glaze fit
 6. Surface quality
 - iii. Analysis of clay bodies and glaze formulations
- g. Solutions for clay project defects, and strategies for improvement
 - i. Trial and testing involving the properties/characteristics of slips, clay and glazes
 - ii. Identifying potential defects in clay bodies and glazes
 - iii. Exploring possible solutions for potential defects
 - iv. Recognizing design and construction flaws in projects
 - v. Employing strategies for improved designs and sound construction
- h. Creative idea development and individual visual expression
 - i. Explore visual and verbal references for adaptation into ceramic art work
 1. The study of nature
 2. The study of human-made resources and new technologies
 3. Consult library and internet for images/word resources
 4. Explore the influences of popular culture
 5. View cultural artifacts at museums
 6. View artworks of historical and contemporary artists (in a variety of media)
 - ii. Visual thinking and idea development
 1. Brainstorming activities in sketchbook
 2. Thumbnail sketches
 3. Brainstorming with classmates
 4. 3-D prototyping and maquette-making
 5. Written/visual summary of evolving ideas during the working process
 6. Draft and to-scale drawings
 - iii. Research historical and contemporary ceramics and 3-D art

1. History of ceramic art
 2. Current trends and issues in contemporary ceramic art
 3. Contemporary practicing ceramic artists
 4. Functional, nonfunctional and sculptural clay forms
- i. Critiques and self-evaluation
 - i. Evaluate evidence of creative idea development in sketchbooks and prototypes
 - ii. Individual assessment of in-progress and completed artwork
 - iii. Group critiques and peer reviews
 - iv. Evaluation of areas of strength and weakness:
 1. Ideation
 2. Process
 3. Technique
 4. Design
 5. Creative expression
 6. Professionalism
 - j. Photo-documentation and portfolio development
 - i. Industry standards and best practice for photo-documentation of 3D artwork
 - ii. Sorting, editing, storing and distributing portfolio images

Resources

Acero, Raul. *Making Ceramic Sculpture: Techniques, Projects, Inspirations*. Lark Books, 2000.

Amber, Shay. *Ceramic Studio: Handbuilding*. Lark Crafts, 2012.

Cobb, Sunshine. *Mastering Handbuilding Techniques: Tips and Tricks for Slabs, Coils and More*. Voyager Press, 2018.

Cooper, Emmanuel. *Contemporary Ceramics*. Thames Hudson, 2009.

DelVecchio, Mark. *Postmodern Ceramics*. Thames Hudson, 2001.

DeWaal, Edmund. *20th Century Ceramics. 1st ed.* Thames Hudson, 2003.

Hamer, Frank. *Potter's Dictionary of Materials and Techniques. 5th ed.* University of Pennsylvania Press, 2004.

Hopper, Robin. *Making Marks: Discovering the Ceramic Surface. 1st ed.* KP Books, 2004.

Hopper, Robin. *The Ceramic Spectrum: A Simplified Approach to Glaze Color Development. 2nd ed.* The American Ceramic Society, 2008.

Irvine, Alex. *Ceramic Sculpture: Making Faces: A Guide to Modeling the Head and Face with Clay*. Lark Crafts, 2014.

Jones, Bill. *Sculpture Techniques*. American Ceramic Society, 2015.

Kline, Gabriel. *Amazing Glaze*. Voyageur Press, 2018.

Martin, Andrew. *The Essential Guide to Mold Making and Slip Casting*. Lark Crafts, 2007.

Mills, Maureen. "Surface Design for Ceramics" Lark Books, 2008.

Millward, Kevin. *Surface Decoration (New Ceramics)*. Herbert Press, 2019.

Muller, Kristin. *The Potter's Studio Handbook*. New York: Crestline Books, 2016.

Peterson, Susan. *The Craft and Art of Clay. 5th ed.* Laurence King Publishing, 2017.

Quinn, Anthony. *Ceramic Design Course: Principles, Practice and Techniques*. Barron's, 2007.

Taylor, Louisa. *The Ceramic Bible: The Complete Guide to Materials and Techniques*. Chronicle Books, 2011.

Triplett, Kathy. *Handbuilt Ceramics: Pinching, Coiling, Extruding, Molding, Slip Casting, Slab Work*. Lark Books, 2000.

Turner, Anderson. *Ceramics Sculpture: Inspiring Techniques*. The American Ceramics Society, 2009.

Weiss, Melissa. *Handbuilt, A Potter's Guide*. Rockport Publishers, 2018.

Zakin, Richard. *Electric Kiln Ceramics: A Guide to Clay and Glaze*. 4th ed. Krause Publications, 2015.

Ceramics Monthly.

Pottery Making Illustrated.

Studio Potter.

Clay Times.

Resources Other

- a. Artaxis.org
- b. AccessCeramics.org
- c. CeramicsArtsNetwork.org
- d. NCECA.net

- e. Art Index, OhioLink, World Catalog (OCLC)
- f. Online Public Access Catalog (OPAC)

Top of page

Key: 5085