

# ART-1700: CERAMICS I

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## Cuyahoga Community College

**Viewing: ART-1700 : Ceramics I**

**Board of Trustees:**

October 2018

**Academic Term:**

Fall 2020

**Subject Code**

ART - Art

**Course Number:**

1700

**Title:**

Ceramics I

**Catalog Description:**

Introduction to basic hand building techniques, surface decoration and glazing methods, and kiln firing practices. Create artworks of increasing complexity, exploring functional and sculptural designs. Broad survey of historical and contemporary ceramics.

**Credit Hour(s):**

3

**Lecture Hour(s):**

1

**Lab Hour(s):**

5

**Other Hour(s):**

0

## Requisites

**Prerequisite and Corequisite**

None.

## Outcomes

**Course Outcome(s):**

Create ceramic projects that utilize basic hand building techniques, including pinch, coil and slab methods.

**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 basic properties, variations and states of clay.
2. Create a variety of ceramic objects utilizing hand building techniques.
3. Form and join clay to withstand drying and firing stresses.
4. Employ 3-D design principles as they pertain to constructing ceramic objects.
5. Detect and solve construction challenges.
6. Analyze existing ceramic artworks and describe the forming processes used to create them.
7. Recognize additional ceramic building techniques, such as: wheel-throwing, mold-making, slip-casting, tile making.

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**Course Outcome(s):**

Employ a variety of surface decoration techniques and glazing methods.

**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 and use a variety of surface decoration techniques, including carving, colored slips, underglazes, stamping, scraffito, inlay, resist, and stenciling.
2. Detect and solve surface decoration challenges and defects.
3. Identify and use a variety of glaze application methods, including brush, sponge, pour, dip, and spray.
4. Detect and solve glazing challenges and defects.
5. Employ 3-D design principles as they pertain to the decoration of ceramic objects.

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**Course Outcome(s):**

Demonstrate an understanding of the sequential process of creating ceramic art objects.

**Objective(s):**

1. Brainstorm, sketch and research to generate, develop and produce innovative design ideas.
2. Practice the sequential process for the creation of a ceramic object: clay preparation, formation, managing the drying stages, bisque firing at bone-dry, final glaze firing, etc.
3. Recognize a wide variety of creative possibilities ranging from functional ceramics to sculptural artworks.
4. Create ceramics projects of increasing formal and conceptual complexity.
5. Demonstrate knowledge of kiln usage and firing procedures.
6. Describe additional forming techniques such as wheel-throwing, extrusion and slip-casting.

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**Course Outcome(s):**

Apply 3-D design principles to solve visual problems, address functional concerns, and communicate creative expression.

**Objective(s):**

1. Incorporate 3-D design principles in the creation of ceramic objects.
2. Employ 3-D design principles as related to functional objects, such as the ergonomics of functional pottery.
3. Analyze existing ceramic artworks and identify formal and conceptual design objectives.
4. Practice effective problem-solving strategies and techniques.

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**Course Outcome(s):**

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

**Objective(s):**

1. Use ceramic terminology in oral presentations, written assignments and critiques.
2. Identify 3-D design principles in sculptural art objects.
3. Critique artworks: Observe, Describe, Analyze and Evaluate in-progress and completed artworks.
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. Examine the meaning, design and technical processes used to create ceramic art objects.

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**Course Outcome(s):**

Manage time and materials effectively, and follow proper safety precautions for tools, equipment, and processes when creating projects.

**Objective(s):**

1. Identify and practice necessary safety precautions with tools, equipment, materials and processes.
  2. Use a variety of processes and methods exhibiting a high degree of craftsmanship.
  3. Manage time, materials, and equipment in the classroom to complete projects safely and on schedule.
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**Methods of Evaluation:**

1. Class participation
2. Portfolio of completed projects
3. Peer review/group critiques
4. Written and oral critiques
5. Sketchbook/journal work
6. Quizzes
7. Examinations
8. Research reports or presentations
9. Exhibition reviews

**Course Content Outline:**

1. Studio Policies and Procedures
  - a. Studio set-up and clean-up procedures
  - b. Inventory, storage and usage of general studio equipment, tools and materials
  - c. Time management regarding the ceramic art making process
  - d. Studio etiquette
  - e. Safety procedures and hazard information
2. Introduce the Ceramics Process
  - a. Ideation: brainstorming, idea development, design exploration, research, maquette making
  - b. Properties and states of clay: plasticity, shrinkage, leather hard, greenware, bisque, vitrification, etc.
  - c. Controlled drying methods
  - d. Properties of glaze and glaze application
  - e. Kiln firing: bisque and glaze firing
  - f. Terminology for methods of construction, decoration, glazing, and firing
  - g. Design principles for three dimensional objects regarding form, decoration and function of ceramic objects
3. Instruction and demonstration of basic methods of shaping and joining for hand built clay objects
  - a. Pinching formation
  - b. Coil construction
  - c. Soft and stiff slab construction
  - d. 'score and slip' techniques
  - e. Mold formation (press, slump, and hump) using plaster, bisque, or original object
  - f. Simple pattern construction
  - g. Combinations of the above methods
4. Approaches to ceramic surface treatments
  - a. Decorative surface techniques on greenware: carving, colored slips, underglazes, stamping, scrafitto, inlay, resist, stenciling, texturing, etching, incising, relief appliqué, etc.
  - b. Decorative surface techniques on bisqueware: resist, stenciling, oxide/stain washes, decals, photo-transfer, underglazes, glazes, etc.
  - c. Methods of glaze application: dip, pour, brush, sponge, spray
  - d. Solutions for clay project defects
    - i. Construction defects
    - ii. Glaze defects
5. Exploration of historical and contemporary ceramics
  - a. Study of historical ceramics by broad geographic regions and major time periods
  - b. Significant contribution and impact of ceramics on the history of civilization in relation to trade, social trends, cultural customs, and archaeological records
  - c. Study of contemporary ceramics, including advances in new techniques and technologies
  - d. Study of contemporary ceramic artists and their professional practices

**Resources**

Atkin, Jacqui. *Handbuilt Pottery Techniques Revealed*. 2nd ed. Barron's Educational Series, 2013.

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Blandino, Betty. *Coiled Pottery: Traditional and Contemporary Ways*. Revised Edition. Krause Publications, 2004.

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Branfman, Steve. *Raku, A Practical Approach*. Iola, WI: Krause Publishing, 2001.

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Chavarria, Joaquim. *The Big Book of Ceramics: A Guide to the History, Materials, Equipment, and Techniques of Hand-Building, Molding, Throwing, Kiln-firing, and Glazing Pottery and other Ceramic Objects*. New York: Watson-Guptil, 1994.

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Clayton, Pierce. *The Clay Lover's Guide to Making Molds: Designing, Making, Using*. Ashville, NC: Lark Books, 1998.

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

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Giorgini, Frank. *Handmade Tiles: Designing, Making, Decorating*. Lark Books, , 1994.

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Hall, Susan. *Pinch Pottery: Functional, Modern Handbuilding*. Lark Crafts, 2014.

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

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Nigrosh, Leon. *Claywork: Form and Idea in Ceramic Design*. Sterling, 1994.

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Peterson, Susan. *The Craft and Art of Clay*. Prentice-Hall, 2017.

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Rhodes, Daniel. *Clay and Glazes for the Potter*. Krause Publishing, 2015.

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Speight, Charlotte and John Toki. *Hands in Clay: An Introduction to Ceramics*. McGraw, 2004.

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

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Triplett, Kathy. *Handbuilt Ceramics: Pinching, Coiling, Extruding, Molding, Slip Casting, Slab Work*. Lark Books, 1997.

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Zakin, Richard. *Electric Kiln Ceramics: A Guide to Clay and Glazes*. 4th edition. Krause Publishing, 2015.

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"The Associated Press Stylebook and Briefing on Media Law" 2002-01-01 00:00:00.0.

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"Ceramics, Art and Perception"

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"Ceramics Monthly"

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"Ceramic Review"

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"Clay Times"

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"Studio Potter"

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#### Resources Other

1. Additional resource material as provided by the instructor
2. <https://artaxis.org/>
3. <http://accessceramics.org/>
4. Art Index, OhioLink, World Catalog (OCLC)
5. Online Public Access Catalog (OPAC)
6. World Wide Web

## **Instructional Services**

### **OAN Number:**

Transfer Assurance Guide OAH050

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