

# ART-2190: CERAMICS II

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## Cuyahoga Community College

**Viewing: ART-2190 : Ceramics II**

**Board of Trustees:**

June 2020

**Academic Term:**

Fall 2020

**Subject Code**

ART - Art

**Course Number:**

2190

**Title:**

Ceramics II

**Catalog Description:**

Focus on wheel throwing techniques and skills development. Expand ability to work creatively with clay. Address formal and functional design considerations. Introduction to basic clay and glaze formulation. Research historical and contemporary ceramics. (To 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 wheel throwing techniques on the pottery wheel.

**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. Achieve proficiency in basic wheel-throwing techniques: make cylinders, bowls and plates.
2. Create variations of basic forms resulting in vases, bottles, platters, pitchers and teapots.
3. Detect, identify and solve technical issues in the production of wheel-thrown ceramic objects.
4. Critique, using terminology related to wheel-thrown and hand-built processes, in oral/written format.
5. Recognize relevant historical traditions and contemporary trends in wheel-thrown ceramics.
6. Support design development with sketches in 2D and 3D, progress notes, embellishment drawings and researched reference materials.

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**Course Outcome(s):**

Use advanced level techniques and processes in the ceramics classroom.

**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. Produce creative functional and/or expressive ceramic objects.
2. Integrate wheel throwing and hand-building techniques.
3. Identify, test, and adapt for use a variety of decorative surface techniques and glaze methods.
4. Apply craftsmanship and attention to detail.
5. Recognize properties of, evaluate and adapt variations of clay bodies, slips, and glazes.
6. Identify, solve, and amend technical issues/solutions in all phases of production.
7. Participate in the process of clay mixing, glaze formulation and kiln firing.

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**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. Employ principles of 3-D design in the formation of the ceramic objects.
2. Employ principles of 3-D design in the surface treatment and decoration of ceramic objects.
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.

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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.

**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. Use ceramic terminology in oral or written assignments and critiques.
2. Identify elements and principles of 3-D design in 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. Interpret the relationship of meaning, design and technical processes used to create ceramics art objects.

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**Course Outcome(s):**

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

**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. Demonstrate independence in the management of time, materials and equipment in the classroom to 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. Measure and assess individual progress and skills development.
5. Identify and practice necessary safety precautions for handling chemicals and operating tools/equipment.

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**Methods of Evaluation:**

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

**Course Content Outline:**

1. Review of 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. Safety procedures and hazard information
  - e. Studio etiquette
2. Instruction and demonstration for use of pottery wheel
  - a. Basic wheel throwing techniques, associated tools and relevant terminology
  - b. Basic wheel skills:
    - i. Centering
    - ii. Opening the clay
    - iii. Set the floor
    - iv. Raising the wall
    - v. Shaping
    - vi. Finishing and/or alteration
    - vii. Trimming
    - viii. Attaching additional parts, such as a handle
    - ix. Hump, section, and coil throwing techniques
  - c. Basic forms
    - i. Cylinders
    - ii. Bowls
    - iii. Plates
  - d. Advanced forms
    - i. Vases
    - ii. Bottles
    - iii. Platters
    - iv. Pitchers
    - v. Teapots
3. Design of wheel thrown forms
  - a. Principles of 3-D design
    - i. Unity and variety
    - ii. Balance
    - iii. Scale
    - iv. Proportion
    - v. Emphasis
    - vi. Repetition
    - vii. Rhythm
  - b. Craftsmanship and attention to detail
  - c. Functional and non-functional possibilities
    - i. Vessels
    - ii. Objects
    - iii. Sculptures
  - d. Artistic and conceptual possibilities of clay
  - e. Further variation and combinations

- i. Geometric
  - ii. Organic
  - iii. Architectural
  - iv. Figurative
  - v. Narrative
  - vi. Abstract
  - vii. Conceptual
4. Historical and contemporary ceramics and 3-D art
  - a. History of ceramic art
  - b. Current trends and issues in contemporary ceramic art
  - c. Functional, nonfunctional and sculptural clay forms
  - d. Examples of conceptual reference in ceramic art
5. Review hand building techniques appropriate for the alteration and/or extension of wheel thrown objects
  - a. Advanced pinching
  - b. Advanced coil construction
  - c. Advanced slab constructing
  - d. Extruding
  - e. Altering and paddle forming
  - f. Constructing complex patterns
  - g. Assemblage, modular construction
  - h. Combinations of the above methods
6. Approaches to surface treatments
  - a. Decorative surface techniques on leather hard clay, green-ware, and bisque ware
    - i. Texturing
    - ii. Incising
    - iii. Carving
    - iv. Impressing
    - v. Slip techniques
    - vi. Relief appliqué
    - vii. Oxide/stain washes
  - viii. Methods of glaze application
    1. Dip
    2. Pour
    3. Brush
    4. Spray
    5. Decorative glaze techniques
      - a. Overglaze
      - b. Decals
      - c. Stenciling
      - d. Various resists
7. Analysis of the technical aspects of ceramics
  - a. The sequential stages of the entire ceramic process, notably mixing of raw clay materials, kiln firing methods/procedures, and glazing
  - b. Clay and glaze formulation theory
    - i. Absorption
    - ii. Shrinkage
    - iii. Plasticity/maturation
    - iv. Color response
    - v. Glaze fit
    - vi. Surface
  - c. Analysis of clay bodies and glaze formulations
8. Solutions for clay project defects, and strategies for improvement
  - a. Cause of defects in clay bodies and glaze formulas, and the processes of forming, glazing, and firing
  - b. Trial and testing involving the properties/characteristics of slips, clay and glazes
  - c. Possible solutions for potential defects
  - d. Strategies for improvement
9. Research and problem-solving skills in relation to individual creative growth

- a. Explore visual and verbal references for adaptation into ceramic art work
    - i. The study of nature
    - ii. The study of human-made resources and new technology
    - iii. Consult library and internet for images/word resources
    - iv. Explore the influences of popular culture
    - v. View cultural artifacts at museums
    - vi. View artworks of contemporary artists (in a variety of media)
  - b. Brainstorm with classmates
  - c. Visual thinking and idea development
    - i. brainstorming activities in sketchbook
    - ii. Thumbnail sketches
    - iii. 3-D prototyping
    - iv. Written/visual summary of evolving ideas during the working process
  - d. Research examples of contemporary practicing ceramic artists
10. Critiques and self-evaluation
- a. Creative idea development in sketchbooks exploring visual thinking and thematic ideas
  - b. Individual analysis of completed work
  - c. Group critique and peer review
  - d. Identification of areas of strength and weakness:
    - i. Process
    - ii. Technique
    - iii. Design
    - iv. Creative expression
    - v. Professionalism

## Resources

Atkins, Jacki. *250 Tips, Techniques and Trade Secrets for Potters*. 1st ed. Quarto Publishing, 2009.

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Baily, Michael. *Glazes Cone 6 1240c/2264f*. 1st ed. A C Black Philadelphia: U of Penn Press, 2001.

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Birks, Tony and Kinnear, Peter. *The Complete Potter's Companion*. 1st ed. Bullfinch Press, 1998.

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Branfman, Steve. *The Potter's Professional Handbook*. 1st ed. The American Ceramic Society, 1999.

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Burnett, Jason Bige . *Graphic Clay*. Lark Crafts, 2015.

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Cooper, Emmanuel. *Contemporary Ceramics*. 1st ed. Thames Hudson, 2009.

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Cooper, Emmanuel. *Ten Thousand years of Pottery*. 4th ed. University of Pennsylvania Press, 2000.

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Creber, Diane. *Crystalline Glazes*. 2nd ed. University of Pennsylvania Press, 2005.

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DelVecchio, Mark. *Postmodern Ceramics*. 1st ed. Thames Hudson, 2001.

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

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Hopper, Robin. *Functional Pottery: Form and Aesthetics in Pots of Purpose*. 2nd ed. Krause Publications, 2000.

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

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

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Nigrosh, Leon. *Claywork: Form and Idea in Ceramic Design*. 1st ed. Sterlin, 1994.

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Mattison, Steve. *The Complete Potter*. 1st ed. Barron's, 2003.

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Mills, Maureen. *Surface Design for Ceramics*. 1st ed. Lark Books, 2008.

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Olsen, Frederick. *The Kiln Book*. Keramos Books, 2001.

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

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Quinn, Anthony. *Ceramic Design Course: Principles, Practice and Techniques*. 1st ed. Barron's, 2007.

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Rhodes, Daniel. *Clay and Glazes for the Potter*. 3rd ed. Krause Publications, 2000.

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Turner, Anderson. *Surface Decoration: Finishing Techniques*. The American Ceramics Society, 2008.

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Woody, Elsbeth. *Pottery on the Wheel*. 9th ed. Canada Ltd.:Harper Collins, 2008.

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

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

---

Ben Carter. *Mastering the Potter's Wheel: Techniques, Tips, and Tricks for Potters*. Voyageur Press, 2016.

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*Ceramics Monthly*.

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*Pottery Making Illustrated*.

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*Studio Potter*.

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*Clay Times*.

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

---

Scott, Marylin. *Potter's Bible*. Chartwell Books, 2006.

---

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

---

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

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#### **Resources Other**

1. Artaxis.org
2. AccessCeramics.org
3. CeramicsArtsNetwork.org
4. NCECA.net

5. Art Index, OhioLink, World Catalog (OCLC)
6. Online Public Access Catalog (OPAC )

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