

COURSE OUTLINE

Art 188 Advanced Ceramics I

I. Catalog Statement

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. The 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 loading and firing of kilns.

Units – 3.0

Lecture Hours – 2.0

Total Studio Hours -- 4.0

(Faculty Studio/Hours -- 2.0 + Student Studio Hours -- 2.0 = 4.0 Total Studio Hours)

Prerequisite: Art 187

II. Course Entry Expectations

Skill Level Ranges: Reading 5; Writing 5; Listening/Speaking 5; Math 2

Prior to enrolling in the course, the student should be able to:

1. create wheel thrown ceramic vessels of at least 6" in height or width;
2. create wheel thrown lidded forms with at least two different types of lid fittings;
3. create multiple forms from one piece of clay ('throwing off the hump');
4. create forms by assembling separately thrown parts;
5. apply surface design to pottery forms by methods such as mishima and sgraffito;
6. glaze pottery forms by a variety of techniques including wax resist and oxide design;
7. identify the differences between low temperature and high temperature clays;
8. identify the coloring oxides used in high temperature ceramic glazes and explain their individual functions;
9. formulate and test a high temperature glaze;
10. explain the differences between oxidation and reduction firing procedures;
11. report in writing on ceramic design techniques;
12. evaluate their work and that of others through group oral critiques.

III. Course Exit Standards

Upon successful completion of the required coursework, the student will be able to:

1. create wheel thrown ceramic vessels of at least 10" in height or width;
2. create a set of matched bowl forms;
3. create a teapot form with matching teabowls;
4. formulate and test a base glaze with at least three oxide color variations;
5. assist in the loading and firing of a glaze kiln;
6. report in writing on a period of ceramic history;
7. compare and contrast works from different periods in ceramic history;

8. evaluate their work and that of others through group oral critiques.

IV. **Course Content**

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| A. Orientation | 4 hours |
| 1. Overview of the class, required projects, grading procedures | |
| 2. Overview of studio rules and procedures | |
| 3. Slides of representative projects and contemporary ceramics | |
| B. Choice of clay bodies to be used | 6 hours |
| 1. Discussion of earthenware, stoneware, and porcelain clays | |
| 2. Representative examples of these clays are shown to contrast their appearance and characteristics | |
| 3. Students prepare test pieces of the various clays for glaze testing | |
| C. Wheel throwing demonstrations and project assignments | 24 hours |
| 1. Throwing for greater height | |
| a. Lifting techniques | |
| b. Speed techniques | |
| 2. Vase forms | |
| a. Historical examples | |
| b. Contemporary examples | |
| c. Throwing forms with narrow necks | |
| d. Closed forms | |
| 3. Matched sets | |
| a. Use of calipers to assist in throwing matched sets | |
| b. Trimming demonstrations to assist in matching forms | |
| c. Set matching bowl forms | |
| d. Teapots with matching teabowls | |
| e. Bowls with added pedestal bases | |
| D. Surface design techniques | 12 hours |
| a. Mishima | |
| b. Majolica | |
| c. Overglaze and luster | |
| d. Airbrush and stencil | |
| E. Glaze formulation and testing | 10 hours |
| a. Discussion of the requirements of a proper base glaze | |
| b. Students research base glaze formulas | |
| c. Representative samples of base glazes are shown | |
| d. Uses of metallic oxides for coloring base glazes are discussed | |
| d. Demonstration of weighing /screening and mixing a colored glaze | |
| e. Students prepare and test their own base and colored glazes | |
| F. Kiln loading and firing | 8 hours |
| a. Proper methods of stacking gas and electric kilns are demonstrated | |
| b. Safety precautions in stacking and firing are discussed | |
| c. Students stack and fire a kiln under supervision | |

V. **Methods of Presentation**

The following instructional methodologies may be used in the course:

1. classroom lectures and demonstrations;

2. instructor analysis of student work;
3. peer analysis of student work;
4. individual instruction of students;
5. screening of films and videos.

VI. Assignments and Methods of Evaluation

1. Students are assigned projects to develop both technical and aesthetic concepts and skills.
2. Students present their works-in-progress to the instructor.
3. Students present works-in-progress to the class for peer evaluation.
4. Students participate in a mid-term and a final project critique.
5. Students research and write a 5-page paper on a period of ceramic history of their own choice.

VII. Textbook

Rhodes, Daniel as revised and expanded by Robin Hopper, Clay and Glazes for the Potter. Current Edition. Iola, Wisconsin: Krause Publishing, 2000. 10th Grade Textbook Reading Level. ISBN: 0-87341-863-8.