

Montgomery County Community College
ART 267
Kiln Building
3-2-2

COURSE DESCRIPTION:

This course covers the history, design, development and construction of kilns. It will introduce the student to the construction skills involved in building kilns, such as welding, mortaring bricks, cutting bricks and working with refractory fiber materials. This course will culminate with the actual construction or rebuilding of a kiln. This course is subject to a course fee. Refer to <http://mc3.edu/adm-fin-aid/paying/tuition/course-fees> for current rates.

REQUISITES:

Previous Course Requirements

- ART 161 Ceramics I

Concurrent Course Requirements

None

LEARNING OUTCOMES Upon successful completion of this course, the student will be able to:	LEARNING ACTIVITIES	EVALUATION METHODS
1. Demonstrate a working knowledge of the skills and techniques addressed in the studio.	Lectures Demonstrations Assignments Group Discussions Critiques Library Research Internet Research Kiln Design and Construction Site Visits	Individual and Group Critiques Construction Review

At the conclusion of each semester/session, assessment of the learning outcomes will be completed by course faculty using the listed evaluation method(s). Aggregated results will be submitted to the Associate Vice President of Academic Affairs. The benchmark for each learning outcome is that *70% of students will meet or exceed outcome criteria*.

SEQUENCE OF TOPICS:

1. History of Kiln Evolution
2. Fuels, Combustion, Burners, Safety Systems
3. Refractory Materials
4. Heat Retention and Transfer

5. Kiln Construction (Methods)
6. Kiln Design
7. Actual Construction of a Kiln

LEARNING MATERIALS:

Complete materials list to be supplied by instructor.

Other learning materials may be required and made available directly to the student and/or via the College's Libraries and/or course management system.

COURSE APPROVAL:

Prepared by: Frank Short

Date: 10/1998

Revised by: Frank Short

Date: 5/17/2013

VPAA/Provost or designee Compliance Verification:
Victoria L. Bastecki-Perez, Ed.D.

Date: 7/16/2013

Revised by: Frank Short

Date: 8/7/2017

VPAA/Provost or designee Compliance Verification:
Victoria L. Bastecki-Perez, Ed.D.

Date: 8/7/2017

Revised by: Debbie Dalrymple

Date: 12/17/2017

VPAA/Provost or designee Compliance Verification:

Date: 12/19/2017



This course is consistent with Montgomery County Community College's mission. It was developed, approved and will be delivered in full compliance with the policies and procedures established by the College.