

Montgomery County Community College  
 ART 140  
 3-D Design Principles  
 3-2-2

**COURSE DESCRIPTION:**

A continuation of the study of design principles with emphasis given to three dimensional forms and structures. The course is intended to develop the skills and knowledge necessary to produce creative and practical solutions used in resolving sculptural, architectural, and other three dimensional problems through lectures, demonstrations, and studio work. This course is subject to a course fee. Refer to <http://mc3.edu/adm-fin-aid/paying/tuition/course-fees> for current rates.

**REQUISITE(S):***Previous Course Requirements*

- ART 130 Two Dimensional Design Principles

*Concurrent Course Requirements*

None

LEARNING OUTCOMES Upon successful completion of this course, the student will be able to:	LEARNING ACTIVITIES	EVALUATION METHODS
1. Demonstrate visual literacy.	Lecture Studio Work Lectures Demonstrations Assignments Group Discussions Critiques Library Research Internet Research Museum Visits	Individual and Group Critiques Portfolio Reviews
2. Demonstrate an understanding of visual concepts and express them using appropriate vocabulary.	Studio Work Lectures Demonstrations Assignments Group Discussions Critiques Library Research Internet Research Museum Visits	Individual and Group Critiques Portfolio Reviews

LEARNING OUTCOMES	LEARNING ACTIVITIES	EVALUATION METHODS
3. Demonstrate familiarity with form, space, and historic examples of sculpture.	Studio Work Lectures Demonstrations Assignments Group Discussions Critiques Library Research Internet Research Museum Visits	Individual and Group Critiques Portfolio Reviews
4. Demonstrate competency in the use of a variety of materials.	Studio Work Lectures Demonstrations Assignments Group Discussions Critiques	Individual and Group Critiques Portfolio Reviews
5. Demonstrate creativity in artistic expression, and technical/conceptual problem solving.	Studio Work Lectures Demonstrations Assignments Group Discussions Critiques	Individual and Group Critiques Portfolio Reviews
6. Demonstrate a capacity for critical evaluation and analysis through descriptive and critical observation skills.	Studio Work Lectures Assignments Group Discussions Critiques	Individual and Group Critiques Portfolio Reviews
7. Develop a portfolio of work demonstrating a working knowledge of the perceptual skills and techniques addressed in the studio.	Studio Work Lectures Demonstrations Assignments Group Discussions Critiques Library Research Internet Research Museum Visits	Individual and Group Critiques Portfolio Reviews

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:**

Upon completion of this course a student should exhibit knowledge and skills of the following areas.

1. Historical exploration of three dimensional problems and their resolution.
2. The psychology and reality of seeing the third dimension.
3. Theories and methods used to create the third dimension.
4. The influence of materials on structural and decorative design.
5. To develop manipulative skills and use of tools in order to create three dimensional works.
6. To create accurate linear perspective drawings of three dimensional objects.
7. To bring about an awareness of the direct relationship of aesthetic factors in decorative as well as practical designs.
8. To control the third dimension in the total environment through the use of light, mass, space, time, motion, etc.
9. To demonstrate the ability to creatively utilize the course experience, principles and theories in solving any three dimensional problem.

**LEARNING MATERIALS:**

Manila Paper, Foamcore, White Glue, Pins, Masking Tape, Wooden Dowels, Aluminum Screen, Aluminum Wire, Scissors, Mat Knife, Steel Ruler, Compass, X-Acto Knife, Spool of Small Gauge Wire

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: 5/1998
Revised by: Frank Short	Date: 1/2004
Revised by: Frank Short	Date: 5/17/2013
VPAA/Provost or designee Compliance Verification: Victoria L. Bastecki-Perez, Ed.D.	Date: 7/11/2013
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.*