MONTGOMERY COUNTY COMMUNITY COLLEGE ART 141 Three Dimensional Design Materials and Techniques 3-2-2

CATALOG DESCRIPTION:

The study of 3-D concepts, techniques and structure as it relates to the manipulation of various three dimensional materials. Students will be introduced to a variety of materials and tools. Emphasis will be placed on craftsmanship, the safe operation of tools and equipment and the development of a sculptural sensibility.

REQUISITE(S):

Previous Course Requirements

* Art 140 Three 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
 Build on concepts developed in Art 140, 3-D design Principles. 	Studio Work Lectures Demonstrations Assignments Group Discussions Critiques Library Research Internet Research Museum Visits	Individual and Group Critiques Portfolio Reviews
2. Understand and express design concepts through the development of a vocabulary of sculptural form.	Studio Work Lectures Demonstrations Assignments Group Discussions Critiques Library Research Internet Research Museum Visits	Individual and Group Critiques Portfolio Reviews
 Develop a technical proficiency with the tools and techniques of sculpture. 	Studio Work Lectures Demonstrations Assignments Group Discussions Critiques	Individual and Group Critiques Portfolio Reviews

LEARNING OUTCOMES	LEARNING ACTIVITIES	EVALUATION METHODS	
4. Learn metal techniques	Studio Work	Individual and Group	
(welding and	Lectures	Critiques	
fabrication), wood	Demonstrations	Portfolio Reviews	
carving and plaster	Assignments		
fabrication or mold	Group Discussions		
making.	Critiques		
	Library Research		
	Internet Research		
5. Understand and	Studio Work	Individual and Group	
execute a finished and	Lectures	Critiques	
presentable sculpture.	Demonstrations	Portfolio Reviews	
	Assignments		
	Group Discussions		
	Critiques		
	Library Research		
	Internet Research		
	Museum Visits		

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. Wood carving as an application to the subtractive method:
 - a. Model making
 - b. Properties of wood
 - c. Use of manual hand tools
 - d. Use of power tools
 - e. FinishIng wood.
- 2. Welding steel as an application of the additive method:
 - a.Model making
 - b.Properties of steel
 - c. Use of oxy ace and spot welding
 - d. Cutting, grinding, filing, polishing, bending steel
 - e. Finishing steel.
- 3. Plaster as a cast or fabricated material:
 - a. Modeling in clay
 - b. Properties of plaster
 - c. Armature making
 - d. Mold making
 - e. Finishing plaster.

LEARNING MATERIALS

Instructor selected textbook or specifically prepared handouts.

COURSE APPF	ROVAL:		
Prepared by:	Bernard Mangiaracina	Date:	2/2003
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: VPAA/Provost c	Frank Short or designee Compliance Verification:	Date: Date:	8/7/2017 8/7/2017

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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.