

Montgomery County Community College
 ART 145
 Woodworking I
 3-2-2

COURSE DESCRIPTION:

An introduction to the design and construction of small and medium scale works in wood. Exploring the skills and basic techniques and processes involved woodworking. Techniques including hand tool use and basic machining techniques and structural issues will be addressed in the studio. Students will be given instruction through demonstration in the safe and efficient machine use with initial emphasis on table saw, radial arm saw, joiner, and planer. 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

- ENG 011 Basic Writing II or ESL 011 Basic Writing II with a minimum grade of “C”
- REA 011 Fundamentals of College Reading or REA 017 Vocabulary and Reading Comprehension Development II with a minimum grade of “C”

Concurrent Course Requirements

None

LEARNING OUTCOMES Upon successful completion of this course, the student will be able to:	LEARNING ACTIVITIES	EVALUATION METHODS
1. Identify, tune, sharpen and set up basic hand tools.	Studio Work Lectures Demonstrations Assignments Group Discussions	Individual and Group Critiques Portfolio Reviews
2. Explain the techniques used in woodworking.	Studio Work Lectures Demonstrations Assignments Group Discussions Critiques Library Research Internet Research	Individual and Group Critiques Portfolio Reviews

LEARNING OUTCOMES	LEARNING ACTIVITIES	EVALUATION METHODS
3. Utilize hand tools and basic joinery techniques in woodworking.	Studio Work Lectures Demonstrations Assignments Group Discussions Critiques Library Research Internet Research	Individual and Group Critiques Portfolio Reviews
4. Maintain personal safety while using hand tools.	Lectures Demonstrations Assignments Group Discussions Library Research Internet Research	Individual and Group Critiques Portfolio Reviews
5. Identify stylistic differences in historical and contemporary works.	Lectures Demonstrations Assignments Group Discussions Critiques Library Research Internet Research Museum Visits	Individual and Group Critiques Portfolio Reviews
6. Safely set up and operate basic woodworking machines.	Studio Work Lectures Demonstrations Assignments	Individual and Group Critiques Portfolio Reviews
7. Practice general “safe shop” practices.	Studio Work Lectures Demonstrations Assignments Group Discussions	Individual and Group Critiques Portfolio Reviews
8. Make qualitative comparisons and contrasts between works.	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
9. Articulate, both verbally and in writing, critical assessment of woodworking.	Lectures 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:

1. Introduce the student to concepts of woodworking.
2. Develop the student's ability to observe and perceive three-dimensional relationships.
3. Distinguish and employ the physical characteristics of different materials.
4. Develop skills in wood construction techniques.
5. Develop skills in finishing techniques

LEARNING MATERIALS:

Complete studio materials list to be supplied by instructor.

Other materials may be required and may be made available directly to the student or via the College's library reserve or computer network.

COURSE APPROVAL DATE:

Prepared by: Frank Short Date: 2/9/2008

Revised by: Frank Short Date: 5/17/2013

VPAA/Provost or designee Compliance Verification:
Victoria L. Bastecki-Perez, Ed.D. Date: 7/29/2013

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.