Course Description
Designed to give students knowledge of how to safely use hand and power tools to perform construction work. Emphasis is on skills needed to effectively perform layout, measurements, cutting, fastening, and finishing operations. Maintenance of tools and equipment will be addressed.

Course prepared by: Diane Myazoe-deBrum July/2010

Vocational & Continuing Education

<table>
<thead>
<tr>
<th>Hours per Week</th>
<th>Number of Weeks</th>
<th>Total Hours</th>
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<tbody>
<tr>
<td>Lecture</td>
<td>1</td>
<td>16</td>
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<tr>
<td>Laboratory</td>
<td>3</td>
<td>16</td>
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<tr>
<td>Clinical</td>
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<td>Seminar</td>
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Total Credit Hours 2

Purpose of Course:
Degree Requirement
Degree Elective
General Education
Certification X
Developmental
Other

Prerequisite(s)

Signature, Curriculum Committee Chairperson

Signature, Dean of Academic Affairs

Vice President of Academic and Student Affairs

Last date reviewed or revised: October 2013

Approved by CAC 11/04/2013
I. Construction Safety: Tools & Equipment

II. Course Outcomes

   A. General Learning Outcomes

      The student will:
      1. Use basic construction fundamentals (VCARP 1,3)
      2. Demonstrate construction safety precautions (VCARP 3)
      3. Use basic hand and power tools properly (VCARP 3, 4)

   B. Student Learning Outcomes

      Upon completion of this course, the student will be able to:
      1. Demonstrate construction fundamentals
      2. Practice construction safety
      3. Identify and properly use hand and power tools

III. Course Content

      Students will be provided with an introduction to the fundamentals of basic safety and practical applications of basic hand and power tools.

      1. Clothing
      2. Protective equipment
      3. Housekeeping
      4. Types of tools
      5. Carpentry hand tools
      6. Power tools
      7. Layout tools
      8. Cutting tools

IV. Methods of Instruction

      1. Lecture
      2. Discussion
      3. Demonstration
      4. Laboratory work
      5. Field trips (site observation)
      6. Apprenticeship

V. Equipment and Materials

      1. Hand tools
      2. Overhead projector
      3. Transparencies
      4. Shop equipment
      5. Power tools
      6. TV & DVD
      7. Safety clothing, shoes and hats

Approved by CAC 11/04/2013
VI. Suggested Methods of Evaluation

1. Tests
2. Quizzes
3. Homework
4. Lab
5. Projects

Letter grades will be assigned per CMI Grading System.