VCARP 101 Introduction to Construction

Course Description
Covers common construction materials, products, and systems as well as construction efficiency and safety in the delivery, handling, and installation of building materials.

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>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>Lecture</td>
<td>1</td>
<td>16</td>
<td>16</td>
</tr>
<tr>
<td>Laboratory</td>
<td>6</td>
<td>16</td>
<td>96</td>
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<tr>
<td>Clinical</td>
<td></td>
<td></td>
<td>2</td>
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<tr>
<td>Seminar</td>
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Total Credit Hours: 3

Purpose of Course: Degree Requirement

Degree Elective
General Education
Certification
Developmental
Other

Prerequisite(s)

Signature, Curriculum Committee Chairperson: M. L.

Date: November 25, 2013

Signature, Dean of Academic Affairs: P. L.

Date: 11/25/13

Vice President of Academic and Student Affairs: M.

Date: 11/25/13

Last date reviewed or revised: October 2013
I. Introduction to Construction

II. Course Outcomes

A. General Learning Outcomes

The student will:
1. Identify correctly building materials, products, and systems (VCARP 1, 3)
2. Use safety in the delivery, handling, and installation of building materials (VCARP 1, 3)

B. Student Learning Outcomes

Upon completion of this course, the student will be able to:
1. Identify building materials, products, and systems
2. Apply safe handling in the delivery and installation of building materials

III. Course Content

Students will be provided with an introduction to the various building materials and their practical applications in the construction field.

1. Terms and definitions
2. Wood characteristics
3. Types of wood
4. Types and grading
5. Wood panels
6. Trims & moldings
7. Fasteners
8. Estimation & requisitions
9. Building materials

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

VI. Suggested Methods of Evaluation

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

Letter grades will be assigned per CMI Grading System.