COLLEGE OF THE MARSHALL ISLANDS
COURSE OUTLINE COVER SHEET

CIP No.46.0000
VCARP 102
Alpha Number

Construction Safety: Tools & Equipment
Course Title

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
Course prepared by: July/2010

Vocational & Continuing Education

<table>
<thead>
<tr>
<th>Lecture</th>
<th>Hours per Week</th>
<th>Number of Weeks</th>
<th>Total Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>16</td>
<td>16</td>
<td>16</td>
</tr>
<tr>
<td>3</td>
<td>16</td>
<td>48</td>
<td>1</td>
</tr>
</tbody>
</table>

Total Credit Hours 2

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

Prerequisite(s)

Signature, Curriculum Committee Chairperson
Date

Signature, Dean of Academic Affairs
Date

Vice President of Academic and Student Affairs
Date

Last date reviewed or revised: October 2013
I. **Construction Safety: Tools & Equipment**  
Course Title

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
VI. Suggested Methods of Evaluation

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

Letter grades will be assigned per CMI Grading System.