



**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.