
SECTION HEADING

CRPT 1101: Tool Safety, Construction Terms & Materials

Description

Tool Safety, Construction Terms and Materials helps the student to learn the different types of materials and terms used on all construction sites and how to maintain and use all hand and power tools.

Credits

2

Prerequisite

None

Corequisite

None

Topics to be Covered

1. Tool and machine safety
2. Job site safety
3. Shop safety
4. Tool and machine maintenance
5. Construction terms
6. Materials used in construction

Learning Outcomes

1. Describe the hardwood and softwood classifications.
2. Recognize and name common defects in lumber.
3. Define lumber grading terms.
4. Identify common lumber sizes.
5. Explain plywood, hardboard, and particleboard grades and uses
6. Identify nail types and sizes.
7. Recognize types of engineered lumber and list their uses and advantages.
8. Identify a variety of metal framing connectors and indicate where each is used
9. Identify hand tools used in the carpentry trade and explain their use
10. Identify power tools and machines used in the carpentry trade and explain their use.
11. Explain typical designs and construction of manufactured scaffold.
12. List ladder types and apply ladder and scaffolding safety rules.
13. Demonstrate safe use of hand tools, power tools, and machines.
14. Demonstrate proper care and maintenance of hand tools, power tools and machines.
15. Describe appropriate clothing suitable for carpenters to wear in safety
16. List personal safety equipment recommended for carpenters to use
17. Describe proper methods of lifting and carrying that avoids personal injury.
18. Explain housekeeping measures designed to promote safe working conditions.

Credit Details

Lecture: 1

Lab: 1

OJT: 0

