

MASTER COURSE OUTLINE

A. CARP 1260 Deck Construction

B. COURSE DESCRIPTION:

This course emphasizes the basic concepts of deck construction methods. The focus is on application and techniques necessary to select materials and construct decks, railing, and stairs. Students design, plan, and construct a deck that meets the minimum requirements of the International Residential Code. This course is part of the Carpentry program which is accredited by the Home Builders Institute (HBI) and the National Association of Home Builders (NAHB). Prerequisites: CARP 1110.

(2 Credits – 1 lecture, 1 lab)

C. **Core Theme: Critical Thinking

D. MAJOR CONTENT AREAS:

- Decking requirements related to residential construction
- Types of deck materials used in residential construction
- Framing materials and installation techniques
- Flashing and decking materials installation techniques
- Handrail and bench installation techniques
- Step installation techniques
- Complete an estimate for decking materials for residential construction

E. GOAL TYPES, OBJECTIVES, AND OUTCOMES:

<u>GOAL</u>	<u>OBJECTIVES</u>	<u>OUTCOMES</u>
<u>**Critical Thinking</u>	Students will be able to gather factual information and apply it to a given problem in a manner that is relevant, clear, comprehensive, and conscious of possible bias in the information selected.	1. identify the minimum decking requirements of the International Residential Code for a residential home.
<u>CS</u>	properly install deck framing, flooring, and rail components.	1. install posts and girder to proper methods of code. 2. install framing materials to proper methods of code. 3. install handrails and guardrails proper methods of code. 4. install steps to proper methods of code.
<u>CS</u>	create safe work area.	1. demonstrate safe work habits and properly use safety equipment. 2. identify tools and equipment that need repair or removal from service.
<u>CS</u>	plan, design, and estimate materials needed for a residential deck.	1. Complete an estimate of decking materials needed for installation based

F. SPECIAL INFORMATION:

This course may require use of the Internet, the submission of electronically prepared documents and the use of a course management software program. Students who have a disability and need accommodations should contact the instructor or the Student Success Center at the beginning of the semester. This information will be made available in alternative format, such as Braille, large print, or current media, upon request.

G. COURSE CODING INFORMATION:

Course Code S/Class Maximum 28; Letter Grade

Creation date: 04/01/14

AASC Approval date: 04/22/14

*Riverland Community College Disciplines	MnTC Goal Number
Communication (CM)	1
Natural Sciences (NS)	3
Mathematics/Logical Reasoning (MA)	4
History and the Social & Behavioral Sciences (SS)	5
Humanities and Fine Arts (HU)	6

**Riverland Community College Core Themes	MnTC Goal Number
Critical Thinking (CT)	2
Human Diversity (HD)	7
Global Perspective (GP)	8
Ethical and Civic Responsibility (EC)	9
People and the Environment (PE)	10

*These five MnTC Goals have been identified as Riverland Community College Disciplines.

** These five MnTC Goals have been identified as Riverland Community College Core Themes.

NOTE: The Minnesota Transfer Curriculum “10 Goal Areas of Emphasis” are reflected in the five required discipline areas and five core themes noted in the Riverland Community College program of study guide and/or college catalog.