



## MASTER COURSE OUTLINE

A. CARP 1245 Interior Millwork, Cabinet Installation, and Stairs

B. COURSE DESCRIPTION:

This course introduces the installation of interior doors, window trim, and stair railing. Staining, varnishing or painting of millwork are possibly included. The installation of finished wood floors or tile floors is introduced depending on class project. The course also introduces the installation of kitchen cabinets, vanities, and other built-ins. 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 and CARP 1235.

**(4 Credits – 1 lecture, 3 lab)**

C. \*\*Core Theme: Critical Thinking

D. MAJOR CONTENT AREAS:

- Door and window trim
- Staining, varnishing or painting
- Installation of cabinets or other built-ins
- Participation in final project inspection
- Installation of stairs
- Installation of flooring
- Safety

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.	The student will successfully <ol style="list-style-type: none"> <li>1. calculate trim needed for a given project.</li> <li>2. install countertop to manufacturer's standards.</li> <li>3. demonstrate installation of flooring as project requires.</li> </ol>
<u>CS</u>	understand correct use of all interior trim.	<ol style="list-style-type: none"> <li>1. cut and install base and casing trim to a professional standard.</li> </ol>
<u>CS</u>	understand correct use of stair rails.	<ol style="list-style-type: none"> <li>1. layout, cut, and install stair and rails to a professional standard.</li> </ol>
<u>CS</u>	understand correct stain, varnish, fill nails, and other finishing materials.	<ol style="list-style-type: none"> <li>1. apply varnish and stain or paint.</li> <li>2. finish millwork and inspect finish installation to a professional standard.</li> <li>3. complete trim details.</li> </ol>
<u>CS</u>	understand correct door and window hardware required.	<ol style="list-style-type: none"> <li>1. install hardware to manufacturer's recommendation.</li> </ol>
<u>CS</u>	create a safe work area.	<ol style="list-style-type: none"> <li>1. demonstrate safe work habits and</li> </ol>

		properly use safety equipment. 2. identify tools and equipment that need repair or removal from service. 3. identify and wear personal protective equipment properly.
<u>CS</u>	recognize proper ways of installing kitchen cabinets, vanities, and built-ins.	1. install kitchen cabinets, vanities, and built-ins.
<u>CS</u>	understand tops and the proper way to fit and finish.	1. install tops with finish fit and caulk.

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

Revision date : 04/01/14; 4/3/18  
 AASC Approval date: 04/17/18

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

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

\*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.