



MASTER COURSE OUTLINE

A. CARP 2235 Estimating, Scheduling and Building Codes

B. COURSE DESCRIPTION:

This course will introduce students to various methods of estimating. Students will look at scheduling work with subcontractors on job sites in meeting the project schedule. The students will review codes and how they apply to different construction sites. The students will look up codes and explain their relevance to the job. This course is part of the Carpentry program. Prerequisite: CARP 1250 or equivalent program from another institution.
(1 Cr – 1 lect, 0 lab)

C. *Core Theme: Critical Thinking

D. RIVERLAND INSTITUTIONAL LEARNING OUTCOMES:

This course addresses the following Riverland Institutional Learning Outcome(s):

- ILO 1: critical thinking (*Core Theme Goal 2*)
- ILO 2: awareness of the larger global community (*Core Theme Goal 7 or 8*)
- ILO 3: ethical, engaged citizenship (*Core Theme Goal 9 or Goal 10*)
- ILO 4: communication and collaboration (*Discipline Goal 1 and by any learning outcome(s) involving communication or collaboration*)

E. MAJOR CONTENT AREAS:

- Estimate daily orders of material and plan for special order items to arrive on time
- Review codes and code book
- Create schedule of subcontractors of a project

F. GOAL TYPE, OBJECTIVES, AND OUTCOMES:

<u>GOAL TYPE</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: 1. solve problems independently through previously learned skills.
<u>CS</u>	correctly estimate materials.	1. estimate materials needed for a job. 2. list special order or items that require lead time and awareness of necessary lead time.
<u>CS</u>	interpret codes and locate them within the code book.	1. look up codes and identify proper application of code requirements.

<u>CS</u>	map out a list of subcontractors and a timeline of when the work would need to be performed.	1. coordinate with subcontractors and demonstrate ability to plan and meet project timelines.
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G. 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 Accessibility Services 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.

H. COURSE CODING INFORMATION:

Course Code S/Class Maximum 28; Letter Grade

Revision date: 03/08/17; 04/02/24; 12/02/25

AASC Approval date: 04/18/17; 04/16/24; 01/20/26

*These five MnTC Goals have been identified as Riverland Community College Core Themes. Every course in the Riverland Community College curriculum shall meet outcomes from one of these themes.

**These five MnTC Goals have been identified as Riverland Community College Disciplines. Riverland's MnTC courses also shall meet outcomes from a Discipline Area.

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.

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

**Riverland Community College Discipline Areas	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