



MASTER COURSE OUTLINE

A. CMBT 1400 Construction Documents

B. COURSE DESCRIPTION:

Overview of construction documents including working drawings, specifications and other related AIA contract documents. Emphasis on development of a project manual, legal and ethical aspects, and divisions of work. **(3 cr. – 3 lect 0 Lab)**

C. ** Core Theme: Critical Thinking

D. MAJOR CONTENT AREAS:

- Contract documents
- Design process and project phases
- CSI – Construction Specifications Institute format
- AIA – American Institute of Architects documents
- Bidding process

E. GOAL TYPE, OBJECTIVES, AND OUTCOMES:

<u>GOAL TYPE</u>	<u>OBJECTIVES</u> Students will be able to	<u>OUTCOMES</u> The student will successfully
<u>**Critical Thinking</u>	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. apply an effective analysis with working drawings and contract documents to the construction project.
<u>CS</u>	demonstrate an understanding of specific contract documents.	1. identify contract types. 2. define working drawings. 3. define article of agreements and conditions. 4. describe the organization and formatting of construction documents.
<u>CS</u>	demonstrate an understanding of project delivery.	1. define contracting methods. 2. identify construction services. 3. explain roles and responsibilities of parties involved in contracting methods.
<u>CS</u>	demonstrate knowledge of specifications.	1. understand the CSI format. 2. describe AIA document A201-general conditions. 3. define performance bond.

		4. identify the differences among the four methods of specifying: descriptive, performance, proprietary and reference standard.
<u>CS</u>	identify major project phases	<ol style="list-style-type: none"> 1. identify substitutions, alternates, allowances, unit prices and their uses in construction contracts. 2. describe bidding procedures, bidding documents in the bidding phase of a construction project.

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.

- Laptop

G. COURSE CODING INFORMATION: Course Code A/Class Maximum 48; Letter Grade

Revision date: 03/01/2021

AASC Approval date:

*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.

Riverland