



MASTER COURSE OUTLINE

A. IMMR 1750 Blueprint Reading

B. COURSE DESCRIPTION:

This course introduces the basic understanding of blueprint reading. Various mechanical drawings and types of prints for the interpretation and manufacturing of parts and the assembly of equipment are also included.

(2 Cr – 2 lect, 0 lab)

C. Core Theme: Critical Thinking

D. MAJOR CONTENT AREAS:

- Lines
- Note
- Symbols
- Multi-view drawings
- Orthographic
- Isometric
- Title block
- Revisions
- Tolerance

E. GOAL TYPE, OBJECTIVES AND OUTCOMES:

<u>GOAL TYPE</u>	<u>OBJECTIVES</u>	<u>OUTCOMES</u>
	Students will be able to	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. interpret various blueprints to meet specifications.
<u>CS</u>	identify different types of blueprints.	1. read a blueprint.
<u>CS</u>	identify various lines.	1. demonstrate mastery of the alphabet of lines.
<u>CS</u>	identify tolerances on blueprints.	1. demonstrate an understanding of tolerance interpretations.

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 24; Letter Grade.

Revision date: 01/14/11; 9/1/16; 4/3/18

AASC Approval date: 4/17/18

*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.