



MASTER COURSE OUTLINE

A. CPRO 1300 Intro to Coding with .Net

B. COURSE DESCRIPTION:

This course provides an introduction to programming for students with little or no background. The approach is object-orientated and data-driven. Students use programming applications found in the workplace to plan, program, and debug applications using modern programming techniques and conventions. Microsoft Visual Studio IDE (integrated development environment) will be featured in the course. Prerequisite: CPRO 1002 Essential Computer Skills or equivalent skills assessed by instructor or advisor. This course is part of the Computer Technology program which is an accredited program in World Organization of Webmaster (WOW) Professional Academy.
(3 Cr – 3 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:

- Programming concepts
- Programming logic
- Object oriented programming

F. GOAL TYPE, OBJECTIVES, AND OUTCOMES:

<u>*Critical Thinking</u>	analyze the logical connections among the facts, goals, and implicit assumptions relevant to a problem or claim; generate and evaluate implications that follow them.	1. create a program that satisfies the needs of a specified event.
<u>CS</u>	create basic Window programs.	1. create Windows programs to perform the tasks specified. 2. apply the code on a proper design and name the controls.
<u>CS</u>	demonstrate debugging techniques.	1. correct a bug in a program by interpreting error messages and unexpected program output.

CS	demonstrate proper computer programming syntax.	1. create program without syntax or build errors.
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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 T/Class Maximum 30; Letter Grade

Revision date: 09/21/10; 03/22/22; 11/05/24

AASC Approval date: 12/21/10; 03/22/22; 11/19/24

*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