



MASTER COURSE OUTLINE

A. CPRO 1795 Intro to PHP and MySQL

B. COURSE DESCRIPTION:

This course will give students the skills needed to design a database driven website. PHP is a server-side programming language used by web developers to manipulate and display dynamic web content. Topics include building a content management system and creating dynamic web pages using the MySQL database to store and retrieve data. Students will use real world examples to run projects on an actual web server with PHP and MySQL installed.

This course is part of the Computer Technology program which is an accredited program in World Organization of Webmaster (WOW) Professional Academy.

Prerequisites: CPRO1600 and CPRO1790. (3 Cr – 3 lect, 0 lab)

C. **Core Theme: Critical Thinking

D. MAJOR CONTENT AREAS:

- Installation of PHP, MySQL, and Apache Server
- Getting started with PHP
- Use PHP to manipulate strings
- Add functions and control structures to PHP
- Manipulating MySQL databases with PHP
- Send email using a PHP Script
- Publishing MySQL data on the web
- Content management system
- Implement existing PHP Scripts

E. GOAL TYPES, OBJECTIVES, AND OUTCOMES:

<u>GOAL</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. install and setup the environment necessary to develop PHP web pages.
<u>CS</u>	understand how a PHP computer program implements PHP scripting technology.	1. execute the PHP code in a web browser with no errors.
<u>CS</u>	understand how to manipulate the content in a database using PHP code.	1. run PHP code to add, update, delete, and modify data in a MySQL database with no errors.
<u>CS</u>	research and explore the pre-existing PHP	1. implement existing PHP Scripts in a

	scripts available to web developers.	web page with no errors.
<u>CS</u>	understand how to use PHP to use strings, PHP functions and m	1. create a PHP program to create new strings and compare if two strings are equal.
<u>CS</u>	understand how to use PHP functions and loops to control the flow of PHP code	1. create a valid PHP function and the program to execute the function. 2. create a valid PHP program that uses decision making and looping structures.

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. Software requirements: MySQL as part of all-in-one packages like WAMP/MAMP, or XXAMP. Adobe Creative Cloud is required for the class. The software is available in the Riverland Book Store.

G. COURSE CODING INFORMATION: Course Code T/Class Maximum 30; Letter Grade

Revision date: 11/30/15; 4/3/18

AASC Approval date: 5/8/18

*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.

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