RIVERLAND
Community College

MASTER COURSE OUTLINE

A. CPRO 1006 Scripting Fundamentals

B. COURSE DESCRIPTION:

This course offers an in-depth introduction to scripting. The Python programing language will be used to introduce the basics of computer programing. Curriculum used in the course is approved by the National Cyberwatch Center.
(3Cr – 3 lect, 0 lab)

C. **Core Theme: Critical Thinking

D. MAJOR CONTENT AREAS:

- Provide a foundation for learning to program
- Python programing language syntax
- Construct logical conditions
- The software development cycle
- Program debugging
- Accessing databases

E. GOAL TYPE, OBJECTIVES AND OUTCOMES:

GOAL TYPE	OBJECTIVES Students will be able to:	OUTCOMES Students will successfully:
**Critical Thinking	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 case study.
CS	create computer program using Python programing language.	1. create a computer program that satisfies the goals of a specified task.
CS	demonstrate proper Python syntax.	1. create computer program free of syntax errors.
CS	demonstrate debugging techniques.	1. find and correct the errors in the syntax of a given program.
CS	create a computer program that utilizes data stored in an external database.	1. create computer program that reads and displays data stored in an external database.

F. SPECIAL INFORMATION:

This course 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 T/Class Maximum 30; Letter Grade

Revision date: 10/9/17
AASC Approval date: 11/21/17

*Riverland Community College Disciplines	***MnTC Goal Number
Communication	1
Natural Sciences	3
Mathematics/Logical Reasoning	4
History and the Social & Behavioral Sciences	5
Humanities and Fine Arts	6

** Riverland Community College Core Themes	***MnTC Goal Number
Critical Thinking	2
Human Diversity	7
Global Perspective	8
Ethical and Civic Responsibility	9
People and the Environment	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.
***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.