



## MASTER COURSE OUTLINE

A. CPRO 1065 Linux Desktop Operating Systems

B. COURSE DESCRIPTION:

This course provides the skills and knowledge necessary to install, configure, and administer Linux desktop operating systems. This course introduces students to the basic skills used by all Linux distributions. Specifically, the course covers the objectives outlined by CompTIA® for its Linux+ exam and certification. Prerequisites: CPRO 1002.  
**(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:

- History of Linux desktop operating systems
- Linux desktop architecture
- Linux desktop storage
- Linux desktop installation
- Linux desktop configuration
- Linux desktop management
- Linux desktop troubleshooting
- Linux desktop migration
- Local user and group administration
- Linux printing

F. GOAL TYPES, OBJECTIVES, AND OUTCOMES:

<u>GOAL</u>	<u>OBJECTIVES</u>	<u>OUTCOMES</u>
*Critical	Students will be able to imagine and seek out a variety of possible	The student will successfully 1. analyze business requirements

<u>Thinking</u>	goals, assumptions, interpretations, or perspectives which can give alternative meanings or solutions to given situations or problems.	and determine the appropriate Linux operating system (OS) or mix of Linux and Windows technologies that provide highest return on investment (ROI) and productivity.
<u>CS</u>	identify and analyze the available deployment methods and determine the best option to use for an organization.	1. demonstrate an understanding of Linux desktop operating system deployment and management.
<u>CS</u>	install, configure, and manage Linux desktop operating systems.	1. complete laboratory assignments that require installation, configuration, and management of Linux desktop operating systems.
<u>CS</u>	install, configure, and manage local printing.	1. complete laboratory assignments that require installation, configuration, and management of local printers using Linux desktop operating systems.
<u>CS</u>	communicate with end users by formulating questions and providing answers that are appropriate to the end users' level of technological literacy.	1. guide a classmate through the resolution of a Linux desktop operating system misconfiguration problem using verbal communication in a simulated helpdesk scenario.
<u>CS</u>	demonstrate proper troubleshooting methodologies and techniques.	1. resolve a Linux desktop operating system misconfiguration lab scenario using the command (CMD) line and graphical user interface (GUI) to monitor and troubleshoot the problem.

#### 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: 12/08/10; 11/05/24

AASC Approval date: 12/21/10; 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.

<b>*Riverland Community College Core Themes</b>	<b>MnTC Goal Number</b>
Critical Thinking (CT)	<b>2</b>
Human Diversity (HD)	<b>7A, 7B, 7A/B</b>
Global Perspective (GP)	<b>8</b>
Ethical and Civic Responsibility (EC)	<b>9</b>
People and the Environment (PE)	<b>10</b>

<b>**Riverland Community College Discipline Areas</b>	<b>MnTC Goal Number</b>
Communication (CM)	<b>1</b>
Natural Sciences (NS)	<b>3</b>
Mathematics/Logical Reasoning (MA)	<b>4</b>
History and the Social & Behavioral Sciences (SS)	<b>5</b>
Humanities and Fine Arts (HU)	<b>6</b>