COURSE INFORMATION FORM

DISCIPLINE .................................................. Computer Science & Information Systems
COURSE TITLE .................................................. Linux Operating System
CR.HR 3 LECT HR. 2 LAB HR. 2 CLIN/INTERN HR. ________ CLOCK HR. ________

CATALOG DESCRIPTION
This course provides a comprehensive overview and hands-on experience with the Linux operating system.

PREREQUISITES
CSIS 110

EXPECTED STUDENT OUTCOMES IN THE COURSE (ESO)
Upon completion of this course, the student will be able to:
1. Troubleshoot and correct problems with a graphical user interface operating system.
2. Troubleshoot and correct problems between the network and the graphical user interface workstation.
3. Explore the additional features of the latest version of the graphical user interface operating system.
4. Compare the features of a graphical user interface to a command line operating system.
5. Use the basic command line instructions to create and manage files and directories.
6. Use a shell to create and manage multiple processes.

GENERAL EDUCATION OUTCOMES (ESO)
Specify which general education outcomes, if any, are substantially addressed by the course. Numbers in parentheses identify the Expected Student Outcomes linked to the specific General Education Outcome.

Outcomes ESO
1. Critical Thinking
   B. Define, analyze, and evaluate information, materials and data
      3. Unambiguously define problems with issues (1, 2)
      4. Integrate information and see relevant relationships that broaden and deepen understanding (1, 2)
PROGRAM-LEVEL OUTCOMES

CAREER AND TECHNICAL EDUCATION PROGRAM OUTCOMES
Specify which Career and Technical program outcomes, if any, are substantially addressed by the course by completing the “Career and Technical Education template” to show the relationship between course and program outcomes to assessment measures.

1. Use industry specific software and/or apply troubleshooting skills to solve problems. (1, 2, 3, 5, 6)
2. Create and defend solutions to real life business challenges. (1, 2)
3. Demonstrate professional oral and written communication skills. (1, 2)
4. Work effectively in a team environment. (1, 2)
5. Recognize the need for continued professional development. (3, 4)

CLASS-LEVEL ASSESSMENT MEASURES
Student accomplishment of expected student outcomes will be assessed using the following measures. (Identify which measures are used to assess which outcomes.)

1. Projects (1-6)
2. Assignments/Exams (1-6)
Individual instructors may order this outline as fits the needs of their individual courses. In addition, they may place more emphasis on some areas than on others. What is assured is that this particular list is covered in the course. Other topics may be added to a course as the instructor sees fit, and as time and interest allow. An *asterisk can be used to mark an item as optional.

I. Graphical user interface operating systems
   A. Integrating the graphical user interface into a network environment
   B. New features of the latest version of the graphical user interface operating system

II. Command line operating systems
   A. Overview of commands
   B. Logging on, entering commands, and shutting down an operating system
   C. Using command line instructions to create and manage files
   D. Features of a shell
   E. Managing multiple processes using a shell