

BURLINGTON COUNTY COLLEGE

COURSE INFORMATION FORM

This form must be completed, using MS Word, for all new and modified courses offered for credit, including experimental courses. (Form expands to allow full details in each category.)

I. Course Prefix and number: CSE220

II. Course Title: Introduction to Linux

III. Lecture Hrs. 3 Clinical Hrs. 0 Credit Hrs. 3
 Studio Hrs. 0 Lab Hrs. 0 Recitation Hrs. 0

IV. Course Fee: \$30

V. Prerequisite(s): CIS150, CSE110 or permission

VI. Co-Requisite(s):

VII. Division Dean Approval: _____ Edem Tetteh _____ Date: 5/1/17

VIII. Is this eligible for Perkins Funding? Yes ☐ No ☐

IX. New Course: ☒ Modified Course: ☐ Experimental Course: ☐

(if modified course explain changes and list old course designator and number)

X. Semester and Year Course will first be offered (or, if a modified course, semester and year when revised course will first be offered):

XI. Relation of Course to Curriculum(s): ☐ Program requirement
 ☐ General Education requirement
 ☒ Elective
 ☐ Developmental course requirement

XII. General Education Designator (if course is intended to satisfy a general education requirement check appropriate designator):

<input type="checkbox"/> GCOM = Communications	<input type="checkbox"/> GMAT = Mathematics
<input type="checkbox"/> GDIV = Global and Cultural Awareness	<input type="checkbox"/> GSCL = Science
<input type="checkbox"/> GHIS = History	<input type="checkbox"/> GSOC = Social Science
<input type="checkbox"/> GHUM = Humanities	<input checked="" type="checkbox"/> GTEC = Technological Competency

XIII. Catalog Description: This course is an introduction to the Linux operating system with an emphasis on installation, configuration, maintenance, networking and security. Demonstration and hands-on experimentation will provide the student the necessary skills to pass the COMP/TIA Linux+ certification exam.

XIV. Course Objectives (Learning Outcomes): Competency in Linux as demonstrated in passing a COMP/TIA Linux+ certification exam.

XV. Textbook(s): Linux+ Guide to Linux Certification, 3rd ed., Jason W. Eckert. Cengage

XVI. Other Course Materials to be supplied by Student:

XVII. Grading Policy (number and weight of papers, quizzes, examinations, and rubrics) TBD

XVIII. Detailed Description of Project Final Examination (if applicable): TBD

XIX. Schedule of topics to be covered in Course:

1- Introduction to Linux
2- Linux Installation and Usage
3- Exploring Linux File systems
4- Linux File system Management
5- Linux File system Administration
6- Advanced Installation
7- Working with the BASH Shell
8- System Initialization and X Windows
9- Managing Linux Processes
10- Common Administrative Tasks
11- Compression, System Backup, and Software Installation
12- Network Configuration
13- Configuring Network Services
14- Troubleshooting, Performance, and Security

XX. Schedule lab exercises (if applicable): TBD

IAC Chair Approval Signature_____ Date: _____