

COURSE OUTCOME MATRIX

COURSE SYLLABUS

PART 2 of 3

Course Number and Title	IT186 Linux+
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Credit Hours	3
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Course Description	This course will introduce the student to various flavors of the Linux Operating System. Course focus will include installation, configuration, user administration, file permissions, storage devices, and network protocols. This course may also be used to prepare for the Comp TIA Linux + certification.
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Prerequisite(s) and/or Corequisite(s)	IT 114 or IT 180 or IT 181 or IT 183
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Required Textbooks/References/Course Materials:

TestOut Linux Pro Labsim		TestOut	TestOut	9781935080381
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	General Education Outcomes
1	Utilize written and verbal language to discuss and comprehend information, incorporating a variety of technologies, such as text, data, and images (written language, verbal language, and information technology).
2	Identify and interpret relevant information in order to formulate an opinion or conclusion (critical thinking).
3	Demonstrate and communicate computational methods and mathematical reasoning in a variety of formats (using words, tables, graphs, mathematical equations, etc., as appropriate) (quantitative literacy and fluency).
4	Communicate in appropriate ways with those who are culturally diverse (intercultural competence).

	Program/Department Outcomes
1	Discuss and evaluate potential technology related ethical dilemmas and apply decision-making techniques to resolve them.
2	Demonstrate proficiency in selecting, implementing, and operating information technology solutions to meet project requirements.
3	Apply essential IT support skills in order to install, configure, secure, and troubleshoot operating systems, programs, networks, and pc hardware.
4	Prepared to take and pass industry standard certification exams.
5	Develop the ability to use oral and written communication effectively with clients and other industry professionals.
6	Engage in teams to develop and/or implement IT-based project solutions.
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	Course Outcomes (CO)	Bloom's Domain for CO (C, A, P), Category, and Level	Program/ Department Outcome(s)	Written Language	Verbal Language	Information Technology	Critical Thinking	Quantitative Literacy and Fluency	Intercultural Competence
1	Install and Configure Basic Linux Installations	C-Appling (3)	1,2,3,4	0	0	2	2	0	0
2	Perform basic file management	C-Appling (3)	2,3,4	0	0	2	2	0	0
3	Utilize Text Editors	C-Appling (3)	2,3,4	1	1	2	2	0	0
4	Demonstrate usage of the command shell	C-Appling (3)	2,3,4	2	2	2	2	0	0
5	Manage directories	C-Appling (3)	2,3,4	2	2	2	2	0	0
6	Manage, Install, and Remove RPM Packages	C-Understanding (2)	2,3,4	1	1	2	2	0	0
7	Troubleshoot network and firewall problems	C-Analyzing (4)	1,2,3,4,5	2	2	2	2	0	0
8	Utilize cloud and virtual machines	C-Creating (6)	1,2,3,4,5,6	2	2	2	2	0	0
9									
10									

Bloom's Domain Legend

C = Cognitive
A = Affective
P = Psychomotor

General Education Outcome Legend

2 = Included and Measurable
1 = Introduced and/or Minimally Addressed and Not Measurable
0 = Not included

Approved: May 2021
Reviewed: November 11, 2021