Course Number and Title	IT210 Network Administration I

Credit Hours	3

Course Description	This course will provide students with a formal review of Microsoft Windows Server including installation and administration, domain structures, workgroups, disk configuration, Microsoft Management Console, Active Directory, network protocols, security, policies, and troubleshooting practices. This course will also help to prepare for the MCSE exam (70-210). A+ and/or Networks+ background is recommended.

Prerequisite(s) and/or Corequisite(s)	IT181

Required Textbooks/References/Course Materials:

TestOut Server Pro 2016: Install and Storage	TestOut	TestOut	9781935080657

	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
7	
8	
9	
10	

	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	Exhibit proficiency Installing Windows Server	C-Applying (3)	2,3,4	2	2	2	2	0	0
2	Configure and Manage Remote Servers	C-Applying (3)	2,3,4	2	2	2	2	0	0
3	Configure IPv4 and IPv6	C-Applying (3)	1,2,3,4	2	2	2	2	0	0
4	Troubleshoot Storage	C-Analyzing (4)	1,2,3,4	2	2	2	2	0	0
5	Duplicate and Manage Data	C-Applying (3)	1,2,3,4,5,6	2	2	2	2	0	0
6	Create and Configure Virtual Machines	C-Creating (6)	1,3,4,5,6	2	2	2	2	0	0
7									
8									
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
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