Administrative Master Syllabus

Course Information

Course Title	Network Administration
Course Prefix, Num. and Title	ITNW 1316 - Network Administration
Division	Technology and Business
Department	Computer Science
Course Type	WECM Course
Course Catalog Description	An introduction to the basic concepts of network administration.
Pre-Requisites	ITSC 1305 and Grade of "C" or better in ITCC 1475 or ITCC 1414
Co-Requisites	None

Semester Credit Hours

Total Semester Credit Hours (SCH): Lecture Hours: Lab/Other Hours	3:2:2
Equated Pay Hours	3
Lab/Other Hours Breakdown: Lab Hours	2
Lab/Other Hours Breakdown: Clinical Hours	0
Lab/Other Hours Breakdown: Practicum Hours	0
Other Hours Breakdown	0

Approval Signatures

Title	Signature	Date
Prepared by:		
Department Head:		
Division Chair:		
Dean/VPI:		
Approved by CIR:		

Additional Course Information

Topical Outline: Each offering of this course must include the following topics (be sure to include information regarding lab, practicum, and clinical or other non-lecture instruction).

Network Concepts Review
Windows Server 2012 Overview
Install server & upgrade
Introduction to Active Directory
Create Domain, Forest, Organizational Units, Users & Groups
Configure & Deploy network printers
Set-up & Manage File Sharing and Security
Implement Security
Remote Desktop Administration
Monitor Server 2012
- Event Viewer, logs
- Performance

Patch Management
Backup and Recovery

Course Learning Outcomes:

Learning Outcomes – Upon successful completion of this course, students will:

1. Describe a network
2. Explain the role of directory services
3. Set up and manage users
4. Implement distributed print services
5. Implement file system and directory services security.

Methods of Assessment:

All outcomes will be assessed by one or more of the following:

Labs & Assignments
Quizzes
Tests
Final Exam

Required text(s), optional text(s) and/or materials to be supplied by the student:

Mastering Windows Server 2012 R2, Minasi, Mark; Greene, Kevin; Booth, Christian; Butler, Robert; McCabe, John; Panek, Robert; Rice Michael; Roth, Stefan, John Wiley & Sons, Inc. Copyright 2014 ISBN: 978-1-118-28942-6 or current textbook on the topic.

Suggested Course Maximum:

18

List any specific or physical requirements beyond a typical classroom required to teach the course.

- Networked lab segregated from WCJC network by router
- Current Microsoft Windows Server operating system software (64 bit) for each student and instructor
- Visualization software for each student and instructor
- Current VMware Workstation for each student and instructor

- Antivirus software for each student and instructor
- Server (64 bit) for class with SAN isolated from WCJC network
- Computer (64 bit CPU, 12 GB Ram, graphics cards, monitors, for each student
- Removable hard drive for each student and instructor (1 TB hard drive)
- Laser Printer
- Cat 5 network cable, RJ-45 jacks and crimper for each student and 2 cable tester
- Instructor needs 2 monitors, 2 NICs, & Data projector

The course maximum is set by current equipment contained in the lab.

Course Requirements/Grading System: Describe any course specific requirements such as research papers or reading assignments and the generalized grading format for the course.

Attendance and Housekeeping: 0-5%
Homework: 10-25%
Labs: 25-40%
Tests and Final Exam: 45-50%

Grading System:
90 - 100 = A
80 - 89 = B
70 - 79 = C
60 - 69 = D
Below 60 = F

Curriculum Checklist:

☐ **Administrative General Education Course** (from ACGM, but not in WCJC Core) – No additional documents needed.

☐ **Administrative WCJC Core Course**. Attach the Core Curriculum Review Forms

        ☐ Critical Thinking

        ☐ Communication

        ☐ Empirical & Quantitative Skills

        ☐ Teamwork

        ☐ Social Responsibility

        ☐ Personal Responsibility

☒ **WECM Course** -If needed, revise the Program SCANS Matrix and Competencies Checklist