

Administrative Master Syllabus

Course Information

Course Title	Introduction to Network Administration
Course Prefix, Num. and Title	ITNW 1316 - Introduction to Network Administration
Division	Technology and Business
Department	Information Technology and Networking
Course Type	WECM Course
Course Catalog Description	An introduction to the basic concepts of network administration.
Pre-Requisites	ITSC 1305 and ITSC 1325
Co-Requisites	None

Semester Credit Hours

Total Semester Credit Hours (SCH): Lecture Hours:	3:2:2
Lab/Other Hours	
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
Department Head:	Muna Saqer, Comp Sci and IT&N Program Director	11-16-2023
Division Chair:	David Kucera, Technology & Business Division	11-16-2023
VPI:		

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 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
 - Event Viewer, logs
 - Performance
- Patch Management
- Backup and Recovery

Course Learning Outcomes:

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

- Describe a network
- Explain the role of directory services
- Set up and manage users
- Implement distributed print services
- 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:

Hands-On Microsoft® Windows® Server Author: Jason Eckert. Publisher: Cengage. (Third or latest edition)
MCA Windows Server Hybrid Administrator Complete Study Guide with 400 Practice Test Questions: Exam AZ-800 and Exam AZ-801 (Sybex Study Guide). William Panek. Publisher: Sybex. (First or latest edition)

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 testers
- 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%

Grade 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