



Administrative Master Syllabus

Course Information

Course Title	Implementing Network Directory Services
Course Prefix, Num. and Title	ITNW 1345 – Implementing Network Directory Services
Division	Technology and Business
Department	Information Technology and Networking
Course Type	WECM Course
Course Catalog Description	In-depth coverage of the skills necessary to install, configure, and administer Network Directory service.
Pre-Requisites	ITNW 1316
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).

- Describe components of Active Directory
- Define objects, object attributes, schema, partitions, NTDS.dit, SID, RID, GUID, container name, FQDN, object permissions
- Discuss the role of DNS with Active Directory
- Discuss domain and forest functional levels
- Define trusts
- Define sites
- Discuss replication
- Discuss Global Catalog and FSMO roles
- Discuss OU design strategies
- Manage users and groups in Active Directory
- Managing computer accounts
- Define group policy
- Define and implement procedures used for Active Directory backup and restore.
- Implement guidelines and procedures for monitoring Active Directory.
- Managing forest infrastructure

Instructional Methods:

Lectures

Written Lab Assignments

Hands-On Lab Assignments

Exams

Course Learning Outcomes:

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

- Identify, install, configure, monitor, maintain, and troubleshoot a network operating system
- Describe the logical and physical structure of directory services
- Configure the Domain Name System (DNS) server service to support directory services
- Create and administer user accounts and group resources
- Delegate and administer control of directory objects
- Maintain and restore the directory database.

Methods of Assessment:

Individual Projects

Group Projects

Assignments

Tests and Quizzes

Final Exam



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

Windows Server 2019 Inside Out. Author: Orin Thomas. Publisher: Pearson. (Latest edition)

Windows Server 2022 Administration Fundamentals, Beginners guide to managing and administering Windows Server environments. Dauti Packt. Publisher: Packt. (Third or latest edition)

CompTIA TestOut Network Pro Publisher: TestOut. (Sixth or latest edition)

Suggested Course Maximum:

18

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

- Current Windows Server operating system software licensed for each student
- Two Standalone PC for each student (or PC with removable HD), not connected to the WCJC network
 - Standalone PC contain:
 - Current Windows Client Operating System
 - 2Gb of RAM
 - 80Gb Hard Drive
 - Dual Core Processor
- Current Microsoft Office software licensed for each student

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

Labs Assignments: 40-50%

Exams: 50-60%

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