



Course Information

Course Title	Implementing Network Directory Services
Course Prefix, Num. and Title	ITNW 1345 - Implementing Network Directory Services
Division	Technology and Business
Department	Computer Science
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 (or archived ITNW 2305)
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
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).

1. Describe components of Active Directory
2. Define objects, object attributes, schema, partitions, NTDS.dit, SID, RID, GUID, container name, FQDN, object permissions
3. Discuss the role of DNS with Active Directory
4. Discuss domain and forest functional levels
5. Define trusts
6. Define sites
7. Discuss replication
8. Discuss Global Catalog and FSMO roles
9. Discuss OU design strategies
10. Manage users and groups in Active Directory
11. Managing computer accounts
12. Define group policy
13. Define and implement procedures used for Active Directory backup and restore.
14. Implement guidelines and procedures for monitoring Active Directory.
15. 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; and 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:

Inside Out: Windows Server 2012, Stanek, Microsoft Press, 1st, 978-0-7356-6631-3

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.

40-50% - Lab Assignments

50-60% - Exams

Grading System:

100 -90 = A

89 – 80 = B

79 – 70 = C

69 – 60 = D

and below = 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