



Purpose: It is the intention of this Administrative-Master Syllabus to provide a general description of the course, outline the required elements of the course and to lay the foundation for course assessment for the improvement of student learning, as specified by the faculty of Wharton County Junior College, regardless of who teaches the course, the timeframe by which it is instructed, or the instructional method by which the course is delivered. It is not intended to restrict the manner by which an individual faculty member teaches the course but to be an administrative tool to aid in the improvement of instruction.

Course Title – Implementing Network Directory Services

Course Prefix and Number – ITNW 1345

Department – Computer Science

Division – Technology & Business

Course Type: (check one)

- Academic General Education Course (from ACGM – but not in WCJC Core)
- Academic WCJC Core Course
- WECM course (This course is a Special Topics or Unique Needs Course: Y or N)

Semester Credit Hours #: Lecture Hours #: Lab/Other Hours #: 3:2:2

Equated Pay hours for course - 3

Course Catalog Description - In-depth coverage of the skills necessary to install, configure, and administer Network Directory service.

Prerequisites/Co-requisites – ITNW 1316 (or archived ITNW 2305)

| |
|--------------------------|
| List Lab/ Other Hours |
| Lab Hours 2 |
| Clinical Hours |
| Practicum Hours |
| Other (list) |

Prepared by: Donna Schilling

Date: 07-19-2015

Reviewed by Department Head: Donna Schilling

Date: 07-19-2015

Accuracy Verified by Division Chair: David Kucera

Date: 8/12/15

Approved by Dean or Vice President of Instruction: Leigh Ann Collins

Date: 12-18-15



I. Topical Outline – Each offering of this course must include the following topics (be sure to include information regarding lab, practicum, 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

II. Course Learning Outcomes

| Learning Outcomes | Methods of Assessment |
|--|--|
| <p>Upon successful completion of this course, students will:</p> <p>Identify, install, configure, monitor, maintain, and troubleshoot a network operating system</p> <p>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.</p> | <p>Individual Projects Group Projects Assignments Tests and Quizzes Final Exam</p> |

III. Required Text(s), Optional Text(s) and/or Materials to be supplied by Student.

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

IV. Suggested Course Maximum – 18

V. List any specific spatial 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

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

Grading System –

| | |
|-----------|-----|
| 100 -90 | = A |
| 89 - 80 | = B |
| 79 - 70 | = C |
| 69 - 60 | = D |
| and below | = F |

40-50% - Lab Assignments

50-60% - Exams

VII. Curriculum Checklist

- **Academic General Education Course** (from ACGM – but not in WCJC Core)
No additional documentation needed

- **Academic WCJC Core Course**
Attach the Core Curriculum Review Forms

- Critical Thinking
- Communication
- Empirical & Quantitative Skills
- Teamwork
- Social Responsibility
- Personal Responsibility

- **WECM Courses**
If needed, revise the Program SCANS Matrix & Competencies Checklist.