Administrative Master Syllabus

Course Information

Course Title	Implementing and Supporting Client Operating Systems
Course Prefix, Num. and Title	ITNW 1308 - Implementing and Supporting Client Operating Systems
Division	Technology and Business
Department	Computer Science
Course Type	WECM Course
Course Catalog Description	The fundamentals of managing and configuring network clients. Develop skills in management of clients as desktop operating systems.
Pre-Requisites	ITSC 1305
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).

1. Assess requirements and install, configure, update and troubleshoot Windows Operating System software, application software, and security software.
2. Manage Windows File Systems and Storage.
3. Describe basic concepts and procedures for using System Utilities to configure, update, and manage the Operating System.
4. Identify the major components of Windows Operating System.
5. Utilize Performance Tuning.
6. Describe the procedures for printing and faxing.
7. Identify the Windows Operating System Fault Tolerance methodologies.
8. Identify the basic Windows Operating System Network Protocols.
9. Describe the basic concepts and procedures for using Internetworking with Remote Access.
10. Utilize procedures for creating and maintaining Users, Groups, Profiles, and Policies.
11. Identify procedures and demonstrate skills for Windows Operating System Security and Access Controls
12. Identify job certifications and associated skills.
13. Identify potential security hazards

Course Learning Outcomes:

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

• Install and configure network clients
• Setup users, groups, policies, and profiles
• Configure hardware components and applications
• Setup and maintain a logon security and security for files and printers
• Configure and optimize clients in multiple environments
• Conduct patch management
• Install and configure various network operating systems and services

Methods of Assessment:

All outcomes will be assessed by one or more of the following:
Individual Projects
Tests and Quizzes
Lab Assignments
Final Exam
Skills Exam

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

MCTS Microsoft Windows 7 Configuration Study Guide William Panek
ISBN: 978-0-470-56875-0

Suggested Course Maximum:

14

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

• A personal computer for each student with minimum of 8 GBs of ram, dual or quad core processor, 1 TB hard drive, network card, monitor, DVD-RW drive

- Router, networking cables and testers for student use in classroom
- Networked Printer for student use
- Windows, Unix and Macintosh operating systems
- VM Workstation or personal computer with removable hard drive

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

Course Requirements
Final exam............20%
Labs.....................0-40%
Homework..........0-10%
Tests ....<u>30-50%</u>
                            100%

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