Implementing and Supporting Client Operating Systems (ITNW 1308)

Credit: 3 semester credit hours (2 hours lecture, 4 hours lab)

Prerequisite/Co-requisite: None

Course Description

The fundamentals of managing and configuring network clients.

Required Textbook and Materials

1. *70-687 Configuring Windows 8*, by Microsoft Official Academic Course, Wiley, 2013.

    a. ISBN number for print book only is 978-1-118-51108-4

    b. ISBN number for E-book (no labs) is 978-1-118-62777-8

2. A portable external Hard Drive with a capacity of 500 GB or more.

Course Objectives

 Upon completion of this course, the student will be able to:

A. Install and configure network clients

B. Setup users, groups, policies, and profiles

C. Configure hardware components and applications

D. Setup and maintain a logon security and security for files and printers

E. Configure and optimize clients in multiple environments

Course Outline

A. Install and Upgrade to Windows 8
1. Evaluating Hardware Readiness and Capability
2. Installing Windows 8
3. Migrating and Configuring User Data

B. Configure Hardware and Applications
1. Working with Disks and Devices
2. Installing and Configuring Desktop Applications
3. Installing and Configuring Windows Store Applications
4. Controlling Access to Local Hardware and Applications
5. Configuring Internet Explorer
6. Configuring Client Hyper-V

C. Configure Network Connectivity
1. Configuring IP Settings
2. Configuring Network Settings
3. Configuring and Maintaining Network Security
4. Configuring Remote Management

D. Configure Access to Resources
1. Configuring Shared Resources
2. Configuring File and Folder Access
3. Configuring Local Security Settings
4. Configuring Authentication and Authorization

E. Configure Remote Access and Mobility
1. Configuring Remote Connections
2. Configuring Mobility Options
3. Configuring Security for Mobile Devices

F. Monitor and Maintain Windows Clients
1. Configuring and Managing Updates
2. Managing Local Storage
3. Monitoring System Performance

G. Configure Backup and Recovery Options
1. Configuring Backup
2. Configuring System Recovery Options
3. Configuring File Recovery Options

Grade Scale

90 – 100	A
80 – 89	B
70 – 79	C
60 – 69	D
0 – 59	F

Course Evaluation

Final grades will be calculated according to the following criteria:

1. Labs	30%
2. Study Guides	10%
3. Chapter Tests	30%
4. Final Exam	30%

Course Requirements

1. Demonstrate proficiency through hands-on labs as assigned.

2. Complete Study Guides and work sheets as assigned.

Course Policies

1. No food, drinks, or use of tobacco products in class.

2. Beepers, telephones, headphones, and any other electronic devices must be turned off while in class.

3. Do not bring children to class.

4. No late assignments will be accepted.

5. Certification. If a student passes the certification test that is associated with this class, you will receive an "A" on the final exam and credit for 25% of your labs. If you have missed a previous test, you must still take the final exam to substitute for that grade.

6. Attendance Policy. Three absences are allowed. If a student is tardy to class or departs early three (3) times, it will be equal to one (1) absence. Each absence beyond three absences will result in a 2 point deduction from your final grade.

7. If you wish to drop a course, the student is responsible for initiating and completing the drop process. If you stop coming to class and fail to drop the course, you will earn an 'F' in the course.

8. Labs. Due dates will be announced by the instructor.

9. Tools. Return all tools and/or software to their designated place.

10. A grade of 'C' or better must be earned in this course for credit toward degree requirement.

11. Additional class policies as defined by the individual course instructor.

Disabilities Statement

The Americans with Disabilities Act of 1992 and Section 504 of the Rehabilitation Act of 1973 are federal anti-discrimination statutes that provide comprehensive civil rights for persons with disabilities. Among other things, these statutes require that all students with documented disabilities be guaranteed a learning environment that provides for reasonable accommodations for their disabilities. If you believe you have a disability requiring an accommodation, please contact the Special Populations Coordinator at (409) 880-1737 or visit the office in Student Services, Cecil Beeson Building.

Course Schedule

Week of	Topic	Reference
Week 1	Course introduction and policies	
	Lesson 01: Evaluating Hardware Readiness and Capability	pp. 1-26
Week 2	Lesson 02: Installing Windows 8	pp. 27-55
	Lesson 03: Migrating and Configuring User Data	pp. 56-79
Week 3	Lesson 04: Working with Disks and Devices	pp. 80-100
	Lesson 05: Installing and Configuring Desktop Applications	pp. 101-119

Week of	Topic	Reference
Week 4	Lesson 06: Installing and Configuring Windows Store Applications	pp. 120-139
	Lesson 07: Controlling Access to Local Hardware and Applications	pp. 140-153
Week 5	Lesson 08: Configuring Internet Explorer	pp. 154-189
	Lesson 09: Configuring Client Hyper-V	pp. 190-212
Week 6	Lesson 10: Configuring IP Settings	pp. 213-252
	Lesson 11: Configuring Network Settings	pp. 253-272
Week 7	Lesson 12: Configuring and Maintaining Network Security	pp. 273-300
	Lesson 13: Configuring Remote Management	pp. 301-319
Week 8	Lesson 14: Configuring Shared Resources	pp. 320-362
	Lesson 15: Configuring File and Folder Access	pp. 363-394
Week 9	Lesson 16: Configuring Local Security Settings	pp. 395-415
	Lesson 17: Configuring Authentication and Authorization	pp. 416-462
Week 10	Lesson 18: Configuring Remote Connections	pp. 463-488
	Lesson 19: Configuring Mobility Options	pp. 489-516
Week 11	Lesson 20: Configuring Security for Mobile Devices	pp. 517-540
	Lesson 21: Configuring and Managing Updates	pp. 541-562
Week 12	Lesson 22: Managing Local Storage	pp. 563-595
	Lesson 23: Monitoring System Performance	pp. 596-640
Week 13	Lesson 24: Configuring Backup	pp. 641-660
	Lesson 25: Configuring System Recovery Options	pp. 661-682
Week 14	Lesson 26: Configuring File Recovery Options	pp. 683-694
Week 15	Review	
Week 16	Final Exam	

Contact Information:

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Additional Course Policies

Lab Grading: You must answer all questions in the assigned labs as well as review questions at the end of the lab. Lab questions are to be answered on the provided answer sheet and turned in on or before the due date. 5 points will be deducted for each question in the lab that is not answered and 7 points will be deducted for each review question that is not answered. If none of the questions are answered then the lab will receive a '0'. Labs that are not turned in will receive a '0'. Do not do the lab challenges or the troubleshooting labs.