



Microsoft Networking Client II

CNS122.50

Winter 2019

Number of Credits: 3

Office: WA226C

Days Class Meets: T/H

Contact Phone: 517-796-8657

Meeting Times: 6:00 – 8:56

Contact Email: larry_choate@jccmi.edu

Location: WA120

Office Hours: 10:30 – 12:00 M-F

Instructor: Larry Choate

Online: [Click or tap here to enter text.](#)

Course Description

This course covers how Microsoft Windows 10 is used in a medium to large enterprise. It focuses on the various technologies used to deploy and manage the operating system, including Windows Command-line tools, Windows PE, Group Policy, User Account Control and Encrypted File System.

Prerequisite: CNS 121

Prerequisite(s)

CNS 121

Course Goals

The goal of this course is to help students learn the basic concepts for networking Microsoft clients.

Particular emphasis will be on the various methods and techniques used to manage Microsoft clients in the home, small office, and enterprise environments.

Course Competencies

At the end of this course students will be able to demonstrate the following competencies:

1. Configure IP addressing using the command prompt and graphical tools.
2. Test and troubleshoot connectivity between computers.
3. Create Windows 10 virtual machines (VM) with VMware Workstation.
4. Build a test lab network using virtual machines (VM).
5. Demonstrate the use of various Microsoft command-line utilities
6. Build batch files to automate various management tasks.

7. Create a share using command line tools and adjust its security on Windows 10.
8. Map a network drive to a file server from the command prompt.
9. Create scheduled tasks using schtasks on local and remote computers that utilize batch files to automate regular management tasks.

Textbooks Zero: This course uses materials freely available from the Internet

- Windows Command-Line Administration, John Paul Mueller
ISBN: 978-0-470-65046-2.
- Microsoft® Windows® Shell Script Programming for the absolute beginner™, Henry Lee Ford
ISBN: 978-1-59200-085-2
- Students will NOT have to purchase books for this course.
- These materials will be from online sources.

Extras

Students will need a 500 GB portable USB storage device..

Grading Procedure

Your grade will be based on a 2-day hands on final exam. This exam will have you demonstrate the various competencies of this course. There will be a grading rubric with each of these competencies. Points will be awarded according to the difficulty of the demonstrated competency.

Grading Scale

GPA	GRADE RANGE
4.0	94-100%
3.5	89-93%
3.0	84-88%
2.5	78-83%
2.0	72-77%
1.5	66-71%
1.0	60-65%
0.5	55-59%

0.0

0-54%

Failure

Any circumstances under which a student could be dismissed from or failed in the course that is not covered in other college publications. In pass/fail courses, a listing of minimal competencies.

Academic Honesty Policy

Academic Honesty is defined as ethical behavior that includes student production of their own work and not representing others' work as their own, by cheating or by helping others to do so.

Plagiarism is defined as the failure to give credit for the use of material from outside sources.

Plagiarism includes but is not limited to:

- Submitting other's work as your own
- Using data, illustrations, pictures, quotations, or paraphrases from other sources without adequate documentation
- Reusing significant, identical or nearly identical portions of one's own prior work without acknowledging that one is doing so or without citing this original work (self-plagiarism)

Cheating is defined as obtaining answers/material from an outside source without authorization.

Cheating includes, but is not limited to:

- Plagiarizing in any form
- Using notes/books/electronic material without authorization
- Copying
- Submitting others' work as your own or submitting your work for others
- Altering graded work
- Falsifying data
- Exhibiting other behaviors generally considered unethical
- Allowing your work to be submitted by others

Course Management

Ways that students can manage their enrollment in a course for special circumstances. Includes withdrawal, and audit and incomplete grading procedures.

Makeup Policy

Ways that students can manage their enrollment in a course for special circumstances. Includes withdrawal, and audit and incomplete grading procedures.

Help

Available learning services or opportunities for students seeking help with their course work. May include information about tutors, learning centers, reserved library materials, open labs, counseling services.

It is important to contact a Center for Student Success professional prior to the start of the semester in order to receive accommodations in a timely manner. While we will make every effort to coordinate accommodations in a timely manner, failure to self-identify prior to the start of the semester may delay notification to instructors and timeliness of acquiring accommodations. Accommodations do not automatically carry over to the next semester.

<https://www.jccmi.edu/center-for-student-success/accommodations-for-students-with-disabilities/>

Calendar

A partial or complete list of dates or class periods for the course. Within the calendar on specific days are: Assignments, readings, homework, exercises, performances, quizzes, topics, subject matter, skills, chapter titles, discussion topics, tests, comprehensive exams, due dates for major papers or performances. Add or remove columns as necessary to suit your course.

**Also include a statement that calendar timelines and assignments are an approximation and could be changed.*

CLASS #	DATE	TOPIC	HOMEWORK
1	1-15-19	Introduction and lab setup	Read Part I (Mueller) Read Chapter 1 (Jones) Build the Knock Knock game
2	1-16-19	Topics will vary depending on the skills demonstrated by students.	
3	1-22-19	Topics will vary depending on the skills demonstrated by students	Read Part II (Mueller) Read Chapter 2 (Jones) Build the Unpredictable Command Prompt
4	1-24-19	Topics will vary depending on the skills demonstrated by students	
5	1-29-19	Topics will vary depending on the skills demonstrated by students	Read Part III (Mueller) Read Chapter 3 (Jones) Build the Fortune Teller game

6	1-31-19	Topics will vary depending on the skills demonstrated by students	
7	2-5-19	Topics will vary depending on the skills demonstrated by students	Read Part IV (Mueller) Read Chapter 4 (Jones) Build "The Story of Buzz the Wonder Dog"
8	2-7-19	Topics will vary depending on the skills demonstrated by students	Read Chapter 5 (Jones) Build Guess a Number game
9	2-12-19	Topics will vary depending on the skills demonstrated by students	Read Part V (Mueller) Read Chapter 6 (Jones) Build Six Million Dollar quiz
10	2-14-19	Topics will vary depending on the skills demonstrated by students	Read Chapter 7 (Jones) Build Rock, Paper, Scissors game
11	2-19-19	Topics will vary depending on the skills demonstrated by students	Read Part VI (Mueller) Read Chapter 8 (Jones) Build Tic, Tac, Toe game
12	2-21-19	Review	Read Part VII (Mueller)
13	2-26-19	Hands-on Final Part 1	
14	2-28-19	Hands-on Final Part 2	

Important Dates: Fall 2018

DATE	EVENT
SEPT. 4, 2018	DAY AND EVENING CLASSES BEGIN
SEPT. 4 – DEC. 20, 2018	SEMESTER DATES
SEPT. 18, 2018	IN-SERVICE DAY. NO CLASSES
OCT. 5, 2018	PATHWAY SHOWCASES DAY. NO CLASSES
NOV. 21 – 25, 2018	THANKSGIVING BREAK. NO CLASSES
DEC. 20, 2018	END OF FALL SEMESTER
DEC. 22, 2018	GRADES DUE

Student Responsibilities

Requirements beyond scheduled classes or laboratories, e.g., clinicals, extra credit assignments, TBA sessions, field placement, special project instructions, contract learning conditions, study hours required outside class, unscheduled class meetings, attendance at concerts or other required events.

Attendance Policy

In compliance with Federal Title IV funding requirements, as well as college initiatives, reporting of student participation in classes will occur at three designated times each semester. Instructors will assign one of three non-transcripted letter symbols to each student during each reporting period (see below). Students identified as no longer participating will be dropped or administratively withdrawn from the class, and students identified as needing academic assistance will be contacted.

Participation/Progress Symbols

- H – The student is not doing acceptable work and needs **H**elp to be successful.
- Q – The student has not participated and the instructor believes they have unofficially withdrawn (**Q**uit). These students will be dropped/withdrawn from the class.
- V – The instructor **V**erifies that the student is participating and doing acceptable work.

Caveat

A statement that advises students that some revisions may be necessary during the course. School closing policies, instructor illness and other procedural improbabilities are described for students.