Course Number/Name:	IT 125: Microcomputer Operating Systems	Section Number:	501	CRN:	34950
Class Day(s):	Tuesday/Thursday	Class Time:	9:00 – 10:15		
Class Location:	Valencia B & Tech 127	Course Credits:	3		
Prerequisite: Corequisite:	N/A				
Instructor:	James Hart	Email:	hart56@unm.edu		
Other Electronic availabilities: [Optional]					
CNM Phone/Voice Mail:	239-3435	Other:			
Office Hour(s):	T/Th 10:15 -11:00 or ARR		Office Location:	BT 127	

Texts & Supplies

Required text: TestOut Linux Pro 978-1-935080-38-1 (www.testout.com)

Supplies: Flash memory device

Course Description

This course covers the installation and administration of Network Operating Systems including Microsoft Windows and Linux. Students will be instructed in both lecture and hands-on labs, including server setup, server configuration, basic administration of common networking services and security administration with an emphasis on network communication protocols. Topics include, installation of the Network Operating System, configuration of network services, (i.e. file and print sharing) managing users, remote access, DHCP, FTP, HTTP and managing a network infrastructure.

Student Learning Outcomes

Students completing this course will have the skills to:
1. Set up a networked computer system, including the operating system, interface cards, and peripheral devices.
2. Plan and install a small business network and connect it to the Internet.
3. Verify and troubleshoot network and Internet connectivity.
4. Share resources such as files and printers among multiple computers
5. Recognize and mitigate security threats to a small business network.
6. Configure and verify common Internet applications.
7. Configure IP services

All students need a <u>UNM e-mail account</u>. If you have any questions about the course or need assistance, please contact me in person, telephone, or e-mail at any time. Quizzes and tests are going to be taken using LabSim

Grading and Evaluation Criteria

60% TestOut Assessments.
20% Lab exercises
20% Final

These percentages will be used to assign final grades:

A+ = 100–98   A = 97–94   A- = 93–90   B+ = 89–87   B = 86–84
B- = 83–80   C+ = 79–77   C = 76–74   C- = 73–70   D+ = 69–67
D = 66–64   D- = 63–60   F = 59–0

16-Week Course Outline Week	Topics	Chapter Readings and Exams
1	Introduction	Chapter 1
2	Using an OS	Chapter 1
3	Using and OS	Chapter 1
4	Installation and Localization	Chapter 2
5	Boot and Shutdown	Chapter 3
6	User Interfaces and Desktop	Chapter 4
7	Software Installation	Chapter 5
8	Software Installation	Chapter 5
9	Users and Groups	Chapter 6
10	Disk and File System Management	Chapter 7
11	Hardware Installation	Chapter 8
12	Processes and System Services	Chapter 9
13	System Monitoring	Chapter 10
14	Networking	Chapter 11
15	Networking	Chapter 11
16	Review for Final	

Computer Lab Responsibility:

Please be advised that use of computer labs on UNM properties is governed by
"Policy 2500: Acceptable Computer Use"
which can be found at http://policy.unm.edu/university-policies/2000/2500.html. Food
and drink are also prohibited in any
computer lab on campus. Anyone violating these policies is subject to possible
suspension and loss of computer lab privileges.

UNM-Valencia students must have a UNM Net ID which can be created by going to:
http://it.unm.edu/accounts/.
The UNM Net ID will give you access to the computer labs on campus, blackboard learn and UNM Email.