Course Description:

Basic UNIX workstation administration. Includes installing a standalone system, adding users, backing up and restoring file systems, and adding new printer support. Emphasis on the procedures needed to perform system administration tasks. Introduces the concept of the system and disk management.

Prerequisites: ITSC 1305 or instructor permission.

Text and Supplies: Online Curriculum NetDevGroup

Student Learning Outcomes:

Upon successful completion of the course, students will have the ability to accomplish the following competencies accurately and efficiently:

- Manage user accounts
- Maintain system security
- Configure new devices
- Install and partition disk drives
- Administer directory services
- Configure management tasks in CLI
- Manage file systems
- Configure and schedule system-related jobs
- Maintain print services, install the operating system
- Administer software packages and patches
- Perform backup and recovery operations
- Solve user-related problems
- Project presentation involving a topic in UNIX/Linux system administration

Texas Skill Standards Learning Outcomes:
This course also includes Learning Outcomes which are key activities specified in skill standards developed by the National Workforce Center for Emerging Technologies and recognized by the Texas skill Standards Board. The complete skill standards can be found at:

https://www.tssb.org/

These outcomes are included in this syllabus and will be evaluated on major exams.

Network Design and Administration Skill Standards:

C1 Plan and document system configuration
C2 Implement new system configuration
C3 Perform workstation configuration and software loading
D6 Perform functional verifications and system audits
E1 Set up and maintain user accounts
E2 Coordinate, communicate and document changes
E6 Make recommendations for system optimization, improvement and security
E9 Manage and implement contingency and emergency recovery plans
F2 Coordinate maintenance for computer, web server and telecommunications networks
F4 Perform system backups and restore data
F7 Implement growth plans and long range solutions
G3 Implement and enforce system and user security requirements
G4 Maintain, improve and enhance security in response to industry developments and user experience
G5 Detect, monitor and report security problems

Online requirements:

Midland College uses CANVAS for online instruction and communication with students. Students are expected to regularly check CANVAS. Check each week before class for important notices.

You can enter the URL: midland.instructure.edu to login into CANVAS.

Logging in to Canvas

username
MC Students: Midland College email address (example: jdoe123@mail.midland.edu)
IMPORTANT: MC Students enrolled BEFORE Winter Interim 2011, your email address follows the old format. Please see the Student Email page to determine your MC Email address.

password
MC Students: Midland College Student ID Number - no dashes (example: 123006789)

Additional Materials Required:
8 GB Flash Drive

**Student Contribution:** Students are encouraged to contact the instructor at any time. If you need to meet with the instructor you will need to make an appoint to guarantee the instructor’s availability at a specific time. Office hours will be posted in CANVAS.

Students will be expected to exhibit professional behavior in class. With regard to cell phone use, keep it on silence and do not take calls unless it is an emergency.

Students are expected to attend class, for online that means logging in and completing assignments.

**Late Work:** Assignments will be due on the date assigned. In the event an assignment must be submitted later than the scheduled due date the student must get instructor permission.

This is an online/hybrid class. You will be expected to keep up with the assignments posted in CANVAS. You must email the professor once a week with your progress.

**Policy Information:**

Students MUST actively participate by completing an academic assignment required by the instructor by the official census date. Students who do not actively participate in an academically-related activity will be reported as never attended and dropped from the course.

This will be an in-depth, fast-paced course. It is important that you complete the assignments before the due dates. Late work will not be accepted. There will be no exceptions to this policy.

*Should you find that you are unable to complete the course, it is necessary for you to contact the Office of Student Services at Midland College and officially drop the class; otherwise a grade of “F” will be given for the semester grade.*

**Class Policy:**

It is each student’s responsibility to become familiar with Midland College policies as explained in the Midland College Student Handbook. Cheating, plagiarism, and any other form of academic dishonesty will not be tolerated.

**Course Schedule:** Posted in CANVAS
Grading/Evaluation of student:

Grading Formula:

90% - 100% A
80% - 89% B
70% - 79% C
60% - 69% D
Below 60% F

Your final grade will be calculated as follows:

Lab exercises 45%
Final Exam 20%
Chapter Exams 35%

Students with Disabilities:

Midland College provides services for students with disabilities through Student Services. In order to receive accommodations, students must place documentation on file with the Counselor/Disability Specialist. Students with disabilities should notify Midland College prior to the beginning of each semester. Student Services will provide each student with a letter outlining any reasonable accommodations. The student must present the letter to the instructor at the beginning of the semester.

Instructor Information:  Posted in CANVAS

Applied Technology Division

Contact Information

Division Dean: Curt Pervier
Department Chair: Heather Sanders
Division Secretary: Lisa Hays
Division Office: Room TC 143A
Division Telephone: (432)685-4676
Division Fax: (432)685-4672
Midland College does not discriminate on the basis of race, color, national origin, sex, disability or age in its programs and activities. The following individuals have been designated to handle inquiries regarding the non-discrimination policies: Tana Baker, Title IX Coordinator/Compliance Officer, 3600 N. Garfield, SSC 242, Midland, TX 79705, (432) 685-4781, tbaker@midland.edu; Natasha Morgan, Director Human Resources/Payroll, 3600 N. Garfield, PAD 104, Midland, TX 79705, (432) 685-4534, nmorgan@midland.edu. For further information on notice of non-discrimination, visit http://wdcrobcolp01.ed.gov/CFAPPS/OCR/contactus.cfm or call 1 (800) 421-3481.

Spanish

Midland College no discrimina por motivos de raza, color, nacionalidad, sexo, discapacidad, o edad en sus programas o actividades. Las siguientes personas han sido designadas para responder a cualquier pregunta o duda sobre estas políticas no discriminatorias: Tana Baker, Title IX Coordinator/Compliance Officer, 3600 N. Garfield, SSC 242, Midland, TX 79705, (432) 685-4781, tbaker@midland.edu; Natasha Morgan, Director Human Resources/Payroll, 3600 N. Garfield, PAD 104, Midland, TX 79705, (432) 685-4534, nmorgan@midland.edu. Para más información sobre estas políticas no discriminatorias, visite http://wdcrobcolp01.ed.gov/CFAPPS/OCR/contactus.cfm o llame al 1 (800) 421-3481.