Course Description:
Implement, administer, and troubleshoot information systems that incorporate servers in a networked computing environment. Students will configure peripherals and devices; set up servers; configure directory replication; manage licensing; create and manage system policies, and profiles; administer remote servers and disk resources; create and share resources; implement fault-tolerance; configure servers for interoperability; install and configure Remote Access Service (RAS); and identify and monitor performance bottlenecks and resolve configuration problems.

Text and Supplies: 70-410 MOAC Labs Online Access Code

Student Learning Outcomes:
Upon course completion, the student will be able to:

Describe and implement processes necessary to create and manage user accounts and groups in a server environment

Deploy and administer individual/group permissions

Troubleshoot network printing

Monitor and manage network resources and security

Backup and restore files and folders

Install roles of the server operating system and the various hardware and software components of a domain-based network.

Install and configure network servers locally and remotely.

Work in a group to discuss and outline the implementation of each Network Operating System, including hardware requirements and environmental considerations

Project presentation on a topic related to an element of Network Infrastructure design, including system security and its implementation in a domain-based network.
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:

A1 Gather data to identify customer requirement
A2 Identify, interpret and evaluate system, network and security requirements
A3 Define scope of work
A6 Develop project plan
B2 Prepare integration plan for new processes, protocols and equipment
B5 Specify servers and supporting hardware
C4 Support, track and document change implementation
C8 Perform network fault management
D2 Develop test plan and procedures
D3 Schedule and perform testing
E2 Coordinate, communicate and document changes
E7 Generate and present reports
F1 Develop maintenance and upgrade plans
F5 Troubleshoot and maintain client, server and network systems
G3 Implement and enforce system and user security requirements

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://wdcrobcollp01.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://wdcrobcollp01.ed.gov/CFAPPS/OCR/contactus.cfm o llame al 1 (800) 421-3481.