

Midland College
ITSY 2301 - Syllabus
Firewalls and Network Security
SCH (3-1)

Course Description:

Identify elements of firewall design, types of security threats and responses to security attacks. Use Best Practices to design, implement, and monitor a network security plan. Examine security incident postmortem reporting and ongoing network security activities.

Text, References, and Supplies:

1. Palo Alto Cybersecurity Academy Online Curriculum
2. USB Flash drive for saving your work
3. Access to computer with and internet connection

Learning Outcomes:

- SLO 1.** Demonstrate system security skills through firewall implementation and testing.
- SLO 2.** Use system tools, practices, and relevant technologies to implement a security plan.
- SLO 3.** Use relevant tools to secure a network, respond to and follow up on various types of attacks.
- SLO 4.** Evaluate practices, tools, and technologies to identify security breaches, sources of attacks.
- SLO 5.** Protect mission critical systems.

Student Contribution/ Class Policies:

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.

Students will be expected to exhibit professional behavior in class. Regarding cell phone use, keep it on silent and do not take calls unless it is an emergency. Texting, social networking, gaming or any other type of cell phone activity is not permitted during class time. Students may not use their cell phones at all while completing exams.

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.

Students are expected to participate in class regularly. It is the student's responsibility to log into Canvas. All due dates can be found on the course schedule posted in Canvas. Students are expected to behave in a manner that will not interfere with the learning process.

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. The policy for student withdrawals is stated in the college Catalog in the Student Rights & Responsibilities section. The last day for withdrawal is published in the Midland College catalog and the current course schedule.

Midland College does not tolerate scholastic dishonesty or academic misconduct in any form. Please read the Midland College student handbook.

COVID-19 prevention

Students attending face-to-face classes during the fall semester are always required to wear face masks and maintain physical distancing while in classrooms and buildings.

Students are encouraged to self-screen for COVID-19 symptoms each day before coming on campus. Students experiencing COVID-19 symptoms should stay home. Students are required to clean their own workspaces before and after each class using products provided by the college.

Grading/ Evaluation of Students:

It is important that the student complete all homework assignments. Late assignments will not be accepted. There will be no exceptions to this policy. Grading/ Evaluation of Students: Upon completion, your performance objective scores will be translated to percentages and the percentages to grades. Assignments will be evaluated, and a score assigned. The score will be expressed as a percentage of possible points earned. Percentages are converted to grades and will be assigned as follows:

<70% = F, 70% - 79% = C, 80% - 89% = B and 90% - 100% = A

Labs and Assignments	50%
Exams & Quizzes	30%
Final Exam	20%
Total	100%

Assignments/Exams:

All assignments/exams have a due date. No late submissions will be accepted.

Feedback will be given through Canvas within a week of the due date of the assignment.

Course Schedule:

For a tentative schedule of the class material and specific due dates of assignments to be covered, please refer to the schedule provided under Schedule and Syllabus Module in Canvas.

Canvas:

It is important for you to log into Canvas every day. Canvas is our main communication method.

ADA Statement:

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. More information can be found at disability services.

AMERICANS WITH DISABILITIES ACT

The Americans with Disabilities Act (ADA) and Section 504 of the Rehabilitation Act require that no otherwise qualified person with a disability be denied access to, or the benefits of, or be subjected to discrimination of any program or activity provided by an institution or entity receiving federal financial assistance. It is this Section 504 mandate that has promoted the development of disability support service programs in colleges and universities across the country. Sub-part E of Section 504 deals specifically with this mandate for institutions of higher education.

While it does not require development of special educational programming, for students with disabilities, it does require that an institution (public or private) be prepared to make appropriate academic adjustments and reasonable accommodations to allow the full participation of students with disabilities in the same programs and activities available to non-disabled students. Disabilities may include things such as physical/mobility problems such as paralysis or academic problems like learning disabilities. Some examples of accommodations are extra time for tests, testing in a quiet location, and providing architectural access to buildings.

Non-Discrimination Statement:

Midland College does not discriminate based on 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, Texas 79705 (432) 685-4781

tbaker@midland.edu

Or

Natasha Morgan Human Resources/Payroll Director

3600 N. Garfield, PAD 104

Midland, Texas 79705 (432) 685-4534

nmorgan@midland.edu

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:

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Para más información sobre estas políticas no discriminatorias, visite

<http://wdcrobcop01.ed.gov/CFAPPS/OCR/contactus.cfm> o llame al 1 (800) 421-3481.

Applied Technology Division Information:

Division Dean: Curt Pervier 143 TC (432) 685-4677

Program Chair: Heather Sanders 142 TC (432) 686-4821

Division Secretary: Lisa Tanner 143 TC (432) 685-4676

Communication is important! If you have a problem that is interfering with your successful completion of this course, please contact the instructor. Students are encouraged to contact the instructor at any time; however, making an appointment will guarantee the instructor's availability at a specific time.

Allow 48 business hours for the instructor to return all calls and emails.