

ITSY 2330 Section 271

Intrusion Detection

Fall 2021

Instructor: Ben Walton

Phone: 716- 4602

Office Hours: See Additional Handout

Location: LC 120A

Class Time: Section 271:
Lecture: Arranged
Lab: TR 1:00PM-2:40PM

Location: Section 271:
LC 113

Email: bwalton@southplainscollege.edu

Blackboard: <http://southplainscollege.blackboard.com/>

Remind Course Code: @2330-271

COURSE DESCRIPTION:

Computer information systems security monitoring, intrusion detection, and crisis management. Includes alarm management, signature configuration, sensor configuration, and troubleshooting components. Emphasizes identifying, resolving, and documenting network crises and activating the response team.

COURSE GOALS AND OBJECTIVES:

- Identify and assess security risks and vulnerabilities
- Monitor, evaluate and test security conditions
- Develop a security plan providing periodic reviews of security policies and procedures
- Evaluation of tools and technologies for use in protecting the individual systems and the network as a whole
- Implement security plan and monitor solutions
- Monitor and evaluate audit logs and set administrator alerts
- Respond to any breach of security and adjust organizational security plan accordingly

MATERIALS NEEDED:

- TestOut/LabSim CyberDefensePro 1.0
ISBN: 978-1-935080-73-2
- Social Engineering: Art of Human Hacking 2nd Ed. by Hadnagy
ISBN-13: 978-1119433385
See Instructor Handout

HOMEWORK: Homework and due dates are posted at the beginning of the semester. If you are absent from a class, you are **still required** to turn in any homework that is due on the day it is due. You must consult the website, come see me, or ask a classmate for missed work. **NO late homework will be accepted.** All homework and exams MUST be accessed and submitted through links provided in Blackboard.

GRADING POLICY: Final grades will be calculated as follows:

Module Assignments/Quizzes	20%
Social Engineering	20%
Exams	25%
Final Exam	35%
Total:	100%

Numeric grades will be given on all tests and assignments based on the following scale:

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

CLASS TIME:

All students are required to spend the full allotted class time working on assignments for **THIS** class only. The playing of computer games, Internet chatting and/or surfing, or working on assignments for other classes will not be permitted at any time.

ADDITIONAL INFORMATION:

Smoking is not allowed in any SPC facility. Food or drinks will be allowed in designated areas only and not permitted in classrooms, laboratories, library, shops, elevators, etc. Cellular phones should be turned off during class time. Copying or removing copyright materials from the computer labs is in violation of the law and is strictly prohibited. Your cooperation is certainly appreciated and will benefit the overall learning environment.

Attendance Policy: Students are expected to attend all classes in order to be successful in a course. The student may be administratively withdrawn from the course when absences become excessive as defined in the course syllabus.

Class attendance, even online, is extremely important in order to meet the objectives of this course. A student is responsible for initiating his or her own withdrawal, if that becomes necessary. If a student is administratively withdrawn from the class by the professor, the grade appearing on the transcript will be at the professor's discretion, an 'X' or 'F'.

Administrative withdrawal may occur if the student has missed six (6) class periods for MWF classes, four (4) class periods for MW/TR classes, two (2) class periods for hybrid classes or if the professor decides absences are excessive due to non-participation or incomplete coursework. When enrolled in an online course, students must login to Blackboard/TestOut/LabSim (must go through Blackboard) IT two times per week. Two weeks of non-participation in an online course may also result in an administrative drop.

See the General Catalog Attendance Policy for additional information.

COVID-19: If you are experiencing any of the following symptoms, please do not attend class and either seek medical attention or get tested for COVID-19.

- Cough, shortness of breath, difficulty breathing
- Fever or chills
- Muscles or body aches
- Vomiting or diarrhea
- New loss of taste and smell

Please also notify DeEtte Edens, BSN, RN, Associate Director of Health & Wellness, at dedens@southplainscollege.edu or 806-716-2376.

Plagiarism and Cheating: Students are expected to do their own work on all projects, quizzes, assignments, examinations, and papers. Failure to comply with this policy will result in an F for the assignment and can result in an F for the course if circumstances warrant.

Plagiarism violations include, but are not limited to, the following:

1. Turning in a paper that has been purchased, borrowed, or downloaded from another student, an online term paper site, or a mail order term paper mill.
2. Cutting and pasting together information from books, articles, other papers, or online sites without providing proper documentation.
3. Using direct quotations (three or more words) from a source without showing them to be direct quotations and citing them.
4. Missing in-text citations.

Cheating violations include, but are not limited to, the following:

1. Obtaining an examination by stealing or collusion.
2. Discovering the content of an examination before it is given.
3. Using an unauthorized source of information (notes, textbook, text messaging, internet, apps) during an examination, quiz, or homework assignment.
4. Entering an office or building to obtain unfair advantage.
5. Taking an examination for another.
6. Altering grade records.
7. Copying another's work during an examination or on a homework assignment.
8. Rewriting another student's work in Peer Editing so that the writing is no longer the original student's work.
9. Taking pictures of a test, test answers, or someone else's paper.

Drop Policy: You may be dropped with an X or F for any of the following reasons:

1. Attendance
 - a. You do not follow the guidelines of the attendance policy listed above.
2. Participation, completion of homework, exams, and team project
 - a. You have missed several homework assignments.
 - b. You have missed two or more exams.
 - c. You have not participated with your assigned team.
3. Academic Integrity
 - a. Cheating, plagiarism, or sharing your work with others as listed above.

Student-Owned Computer Equipment: Students may choose to use their own computer equipment to complete the assigned coursework. SPC provides Microsoft Office to students for installation and use on their personal computers. It is the sole responsibility of the student to ensure their computer system meets the minimum requirements for all required or suggested software. It is also the sole responsibility of the student to ensure their computer system is in working order, free of malware, and sufficient to complete the assigned coursework. Computer or system malfunction or failure is not an excuse for late coursework. The instructor is not liable for the student's computer maintenance and cannot troubleshoot or repair issues on student-owned computers. If the student needs computer assistance, they can contact the SPC student helpdesk.

SPC Help Desk

Telephone Number: Help Desk at (806) 716-2600

E-mail: helpdesk@southplainscollege.edu

Location: Library Lobby - Levelland

Normal Hours: Monday - Friday: 8:00 a.m. - 4:00 p.m.

Student Code of Conduct Policy: Any successful learning experience requires mutual respect on the part of the student and the instructor. Neither instructor nor student should be subject to others' behavior that is rude, disruptive, intimidating, aggressive, or demeaning. Student conduct that disrupts the learning process or is deemed disrespectful or threatening shall not be tolerated and may lead to disciplinary action and/or removal from class.

Diversity Statement: In this class, the teacher will establish and support an environment that values and nurtures individual and group differences and encourages engagement and interaction. Understanding and respecting multiple experiences and perspectives will serve to challenge and stimulate all of us to learn about others, about the larger world and about ourselves. By promoting diversity and intellectual exchange, we will not only mirror society as it is, but also model society as it should and can be.

Disability Statement: Students with disabilities, including but not limited to physical, psychiatric, or learning disabilities, who wish to request accommodations in this class should notify the Disability Services Office early in the semester so that the appropriate arrangements may be made. In accordance with federal law, a student requesting accommodations must provide acceptable documentation of his/her disability to the Disability Services Office. For more information, call or visit the Disability Services Office at Levelland (Student Health & Wellness Office) 806-716-2577, Reese Center (Building 8) 806-716-4675, or Plainview Center (Main Office) 806-716-4302 or 806-296-9611.

Nondiscrimination Policy: South Plains College does not discriminate on the basis of race, color, national origin, sex, disability or age in its programs and activities. The following person has been designated to handle inquiries regarding the non-discrimination policies: Vice President for Student Affairs, South Plains College, 1401 College Avenue, Box 5, Levelland, TX 79336. Phone number 806-716-2360.

Title IX Pregnancy Accommodations Statement If you are pregnant, or have given birth within six months, Under Title IX you have a right to reasonable accommodations to help continue your education. To [activate](#) accommodations you must submit a Title IX pregnancy accommodations request, along with specific medical documentation, to the Director of Health and Wellness. Once approved, notification will be sent to the student and instructors. It is the student's responsibility to work with the instructor to arrange accommodations. Contact the Director of Health and Wellness at 806-716-2362 or [email cgilster@southplainscollege.edu](mailto:cgilster@southplainscollege.edu) for assistance.

Campus Concealed Carry: Texas Senate Bill - 11 (Government Code 411.2031, et al.) authorizes the carrying of a concealed handgun in South Plains College buildings only by persons who have been issued and are in possession of a Texas License to Carry a Handgun. Qualified law enforcement officers or those who are otherwise authorized to carry a concealed handgun in the State of Texas are also permitted to do so. Pursuant to Penal Code (PC) 46.035 and South Plains College policy, license holders may not carry a concealed handgun in restricted locations. For a list of locations and Frequently Asked Questions, please refer to the Campus Carry page at: <http://www.southplainscollege.edu/campuscarry.php>

Pursuant to PC 46.035, the open carrying of handguns is prohibited on all South Plains College campuses. Report violations to the College Police Department at 806-716-2396 or 9-1-1.

Note: The instructor reserves the right to modify the course syllabus and policies, as well as notify students of any changes, at any point during the semester.