

South Plains College
Common Course Syllabus: ITSY 2345
Semester: Spring 2022
Revised 1/10/2022

Department: Computer Information Systems
Discipline: Technical Education Division and Arts and Sciences Division
Course Number: ITSY 2345
Course Title: Network Defense and Countermeasures

Instructor Contact Information:

Name: Stetson Seib
Office Location: LBC 120D (Lubbock)
Email: sseib@southplainscollege.edu
Office Phone: (806) 716-4636
Meet Online: <https://calendly.com/ss-spc>
Office Hours: See Calendly link above.

Course Sections:

<p>Section: ITSY2345.271 Format: Flex (Hybrid) Campus: Lubbock Classroom: LBC109 Days: Tuesday Lecture: Online Lab: 2:00PM-5:50PM</p>
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Course Description: This is a practical application and comprehensive course that includes the planning, design, and construction of defenses for a complex network that will sustain an attack, document events, and mitigate the effects of the attack.

Prerequisite: None

Credit: 3 **Lecture:** 2 **Lab:** 4

Textbook:

- Certified Network Defender (CND) Version 2 (Volumes 1 - 4) eBook w/iLabs, ISBN: 978-1-63567-620-4

Supplies:

- Reliable Internet Connection
- Computer with Windows OS (Recommended) or Mac OS
- Google Chrome or Mozilla Firefox

Student Learning Outcomes: Assemble network defense tools; differentiate between authorized and unauthorized activity on a network; respond to a breach in security through the use of countermeasures designed to minimize the impact of the breach on the network; document network events; and present an analysis of network breach and plan for remediation.

Student Learning Outcomes Assessment: This course will include

- Required reading assignments
- Required lecture videos
- Supplemental videos and/or reading
- Hands-on labs using iLabs
- Quizzes
- Exams
- Comprehensive Final Exam

Course Evaluation: Students will be evaluated by assignments, exams, and projects.

Category	Percentage
Assignments/Lab Projects/Discussions	15%
Quizzes	15%
Exam 1	15%
Exam 2	15%
Exam 3	15%
Final Exam	25%

Attendance Policy: Students are expected to attend all classes 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 The student may be administratively withdrawn from the course when absences become excessive as defined in the course syllabus.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 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 flex (hybrid) classes or if the professor decides absences are excessive due to non-participation or incomplete coursework. When enrolled in a flex/online course, students must log in to Blackboard two times per week and complete the assigned course work. Two weeks of non-participation in a flex/online course may also result in an administrative drop.

See the General Catalog Attendance Policy for additional information.

COVID-19 Policy: Consistent with the latest CDC recommendations, we have revised our guidance for students, faculty, and staff who have a known exposure or have tested positive. Anyone with a known exposure should wear a mask for 10 days and should seek a COVID-19 test on day five after exposure. If you test positive or develop symptoms, you should immediately self-isolate and seek a COVID-19 test. Please immediately notify your instructor, supervisor, and DeEtte Edens, Associate Director of Health and Wellness, any time you test positive for COVID-19. Anyone who tests positive is required to self-isolate for five days. Following the five-day isolation period, if you are asymptomatic or your symptoms are resolving, you may return to work or class but should wear a mask for five additional days. If you are still symptomatic, please contact DeEtte Edens at dedens@southplainscollege.edu or 806-716-2376 prior to your return date.

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, textbooks, text messaging, internet, apps) during an examination, quiz, or homework assignment.
4. Entering an office or building to obtain an 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 missed multiple labs.
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 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, a 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 this [link](#).

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.

IMPORTANT INFORMATION BELOW

Communication: All communication for this class will be conducted through SPC email. All students will be required to check their SPC student email accounts regularly for course updates and announcements. All replies to emails will be sent to the student's SPC email address. Please include your name, course name, and section number in all email communication.

The instructor's SPC office number is included at the top of this syllabus. Please use this means of communication sparingly.

If desired, the student may schedule a meeting with the instructor via the Calendly link posted at the top of this syllabus and in Blackboard. Online meetings may be conducted via Teams, Collaborate, or Zoom.

Course Rigor: This course will include multiple assignments, hands-on labs, quizzes, and exams. Please be aware that to succeed in this course you must dedicate several hours each week to reading, studying, and completing the assigned coursework.

Reading Assignments, Online Lectures, and Supplemental Material: This course will include multiple reading assignments, multiple online lectures, and some supplemental material. The student is expected to go through all this material each week. It will greatly benefit the student to revisit previous weeks reading and lectures to help retain information. Students are encouraged to use good study habits to learn and memorize the necessary information.

Coursework: Each week's coursework will be available through Blackboard and iLabs. Course work is organized into modules. Each module will contain links to the reading, links to the lectures, links to submit hands-on labs, and links to submit quizzes and/or exams. The course calendar outlining due dates and availability times is available on Blackboard. **No late work is accepted for any reason!** You are expected to complete all homework assignments within the due dates indicated. Missing homework assignments may result in an administrative drop.

It is important for you to start coursework early in the week. Do not wait until the day it is due to start the coursework or report problems. If you report problems on the due date of an assignment, the instructor is not obligated to re-open any assignments for you. Start your homework early in the week and complete it with time to spare!

Quizzes and Exams: Quizzes will be timed. Quizzes may include multiple-choice/answer, matching, essay, lab simulation, and other question types. Students will be allowed one attempt per quiz and will only be allowed to review their answers one time, immediately after completing the quiz. Students should complete all other coursework in the designated module and study the material in that module before taking the quiz. Quizzes will be open for several days and must be completed by the due date indicated. No late quizzes will be given.

There will be three exams given during the semester. These exams will cover material from multiple modules. These exams may include multiple-choice/answer, matching, essay, and other question types. Students will be allowed one attempt per exam and will only be allowed to review their answers one time, immediately after completing the exam. Students should complete all coursework in the designated modules and study the material in those modules before taking the exam. Exams will be open for several days and must be completed by the due date indicated. No late exams will be given.

Final Exam: There will be a comprehensive final exam. It will include a written examination delivered through TestOut or Blackboard. The written exam portion may include multiple-choice/answer, matching, essay, and other question types.

Industry Certifications: You may opt to purchase and take the Certified Network Defender certification. Upon showing a passing grade of the Certified Network Defender certification you will receive a grade of 100% on the Final Exam

Gradebook: Grades will be available in Blackboard throughout the semester.

Counseling: If at any point in the semester you find yourself having trouble with stress or feel depressed please stop in and see a counselor. Counseling services are available at all campuses. The number for the counseling office is 806-716-2366. Below is a link to SPC's personal counseling services.
<https://www.southplainscollege.edu/health/mentalhealthresources.php>

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