**ITSY 2330 Section 271
Intrusion Detection**

**Fall 2020**

|  |  |  |  |
| --- | --- | --- | --- |
| **Instructor:** | Ben Walton |  |  |
| **Phone:** | 716- 4602 | **Location:** |  LC 120A |
| **Office Hours:** | See Additional Handout |  |  |
| **Class Time:** | Section 271: Lecture: ArrangedLab: 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:**

* MindTap (electronic textbook, lab, and materials)

Hands-On Ethical Hacking and Network Defense 3rd Ed

See Instructor Handout

**ATTENDANCE:** Students are expected to attend all class meetings. Two late arrivals to class will be considered an absence. Three consecutive absences, four total absences, or three late/missed assignments will be cause for the student to be dropped from this class. This drop will be initiated by the instructor.

It is the responsibility of each student to monitor his or her progress in the course and to request conference time with the instructor if there are questions or problems.  Your questions and any discussions regarding course material are encouraged at all times.

THE INSTRUCTOR RESERVES THE RIGHT TO CHANGE ANY PORTION OF THIS SYLLABUS AT ANY TIME.

**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.**

**GRADING POLICY:** Final grades will be calculated as follows:

|  |  |
| --- | --- |
| Module Assignments/Quizzes | 30% |
| Exams | 30% |
| Final Exam | 40% |
| 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.

**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](http://www.southplainscollege.edu/employees/manualshandbooks/facultyhandbook/sec4.php) 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](http://www.southplainscollege.edu/employees/manualshandbooks/facultyhandbook/sec4.php) 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.

**COVID-19 Face Covering Requirement**: It is the policy of South Plains College for the Fall 2020 semester that as a condition of on-campus enrollment, all students are required to engage in safe behaviors to avoid the spread of COVID-19 in the SPC community. Such behaviors specifically include the requirement that all students properly wear CDC-compliant face coverings while in SPC buildings including in classrooms, labs, hallways, and restrooms. Failure to comply with this policy may result in dismissal from the current class session. If the student refuses to leave the classroom or lab after being dismissed, the student may be referred to the Dean of Students on the Levelland campus or the Dean/Director of external centers for Student Code of Conduct Violation. For further information, please refer to the “Return to Campus Plan” at: <http://www.southplainscollege.edu/emergency/SPCReturnToCampusPlans.pdf>

**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.