General Class and Course Information
Course ID: ISM4320
Course Subject: ISM
Course Number: 4320
Course Title: Applications in Information Security (BAS)
Reference Number: 257735
Credits/Clock Hours: 3.00
Term/Date: Fall 2019; 2019-08-22 - 2019-12-18
Days: R
Time: 9:30 AM - 12:15 PM
Room: CBP 00102

Course Description: The student will become familiar with the applications that are necessary to secure a network from intrusion; firewalls, Bastion Hosts, Proxy Servers, and Honeypots will be implemented. The student will also use applications to perform vulnerability testing to determine network weaknesses.

Prerequisite/Corequisite: Prerequisite: CNT2402 (with a grade of C or higher)

Instructor's Information
Name: Dr. Kerry Enfinger
Office Location: CBP 0223
Faculty Webpage: https://www.palmbeachstate.edu/pf/Faculty.aspx?id=enfingew
Email: enfingew@palmbeachstate.edu

Information on REQUIRED textbooks
Hacker Techniques, Tools and Incident Handling (Oriyano), 2nd edition (with virtual lab access code)
Print Bundle 978-1284154030 / eBook Bundle 978-1284154108 / Virtual Lab access standalone 978-1284163131
Sean-Philip Oriyano
Your Campus bookstore offers a Price Match guarantee. If you find our class texts or access codes cheaper at Booksmart, Barnes & Noble, or Amazon the campus bookstore will match the price at the time of purchase, or for up to 7 days after purchase. Search your course materials by the ISBN provided in this syllabus to assure that your price match is acceptable.

Course Learning Outcomes
- Configure hardware firewalls.
- Configure honeypots to trap hackers and analyze their attacks.
- Configure proxy servers to filter application layer traffic.
- Describe how firewall rules can secure a network.
- Identify the characteristics of packet level firewalls.
- Implement Bastion Hosts as a hardened gateway between the internal and external network.
- Install and configure software firewalls.
- Using virtualization, install and secure a Linux operating system
- Utilize software to test network vulnerabilities.

**Assignments, Tests, Quizzes and Final Exam Schedule, with percentage/points of grade**

<table>
<thead>
<tr>
<th>Items</th>
<th>number of items</th>
<th>point value of each item</th>
<th>total points of all items</th>
<th>weight</th>
</tr>
</thead>
<tbody>
<tr>
<td>Research Assignments</td>
<td>16</td>
<td>100</td>
<td>1600</td>
<td>30%</td>
</tr>
<tr>
<td>Course Project</td>
<td>6</td>
<td>100</td>
<td>600</td>
<td>20%</td>
</tr>
<tr>
<td>Labs</td>
<td>10</td>
<td>100</td>
<td>1000</td>
<td>20%</td>
</tr>
<tr>
<td>Exams</td>
<td>14</td>
<td>100</td>
<td>1400</td>
<td>20%</td>
</tr>
<tr>
<td>Final Exam</td>
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<td>100</td>
<td>100</td>
<td>10%</td>
</tr>
<tr>
<td>TOTAL</td>
<td></td>
<td></td>
<td>4700</td>
<td>100%</td>
</tr>
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**Grading**

<table>
<thead>
<tr>
<th>Letter Grade</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>A</td>
<td>100 - 90%</td>
</tr>
<tr>
<td>B</td>
<td>89 - 80%</td>
</tr>
<tr>
<td>C</td>
<td>79 - 70%</td>
</tr>
<tr>
<td>D</td>
<td>69 - 60%</td>
</tr>
<tr>
<td>F</td>
<td>59 - 0%</td>
</tr>
</tbody>
</table>

**Attendance Policy**

Students are expected to attend all courses and course activities for which they are registered. Any class meeting missed, regardless of cause, reduces the opportunity of learning and may adversely affect a student's achievement in the course. Students are required to attend at least 90% of the class meetings in order to receive credit for the course. An accurate record of attendance will be kept for each course. If a student misses one third or more of a class session, the student will be counted absent. Three tardies will count as one absence. Leaving early is the same as being tardy.

**Electronic Device Policy**

Cell phones and laptops may only be used in class when they are being utilized for course work such as dictionary usage or note taking. Usage of cell phones for personal matters during class will result in dismissal from the class on the first offense and withdrawal from the class on the second offense. If you have an emergency and are waiting for a phone call, inform the instructor ahead of time.

Students may email the instructor at any time. Homework should NOT be emailed to the instructor but rather handed in during class. Students may request permission to email assignments directly to the instructor on a case by case basis.
PBSC email: All communications to and from the student and professor will be completed by using your PBSC email address. Your email address may be found on your PantherWeb page. It will need to be activated. Please follow instructions given the first time you sign in.

**Late Assignment Policy**
All assignments count towards the final grade. Students should establish connections with other students to get notes and assignments from missed classes. Students must contact the instructor as soon as possible after missing an assignment to make the necessary arrangements with the instructor. Late homework assignments will be accepted up to ONE class day after it is originally due. TEN points will be deducted from the final score of late work. Late work will be accepted only two times per student per semester.

**Make-up Exam Policy**
Students must contact the instructor as soon as possible after missing a quiz, test, or exam (all of which count toward the final grade) to make arrangements with the instructor. The instructor may provide makeup quizzes, tests, or exams at her own discretion, may provide a different version of the test, and may require its completion outside of class.

**Academic Dishonesty Policy**
Academic dishonesty includes the following actions, as well as other similar conduct aimed at making false representation with respect to the student's academic performance: (1) Cheating on an exam, (2) Collaborating with others on work to be presented, if contrary to the stated rules of the course, (3) Submitting, if contrary to the rules of the course, work previously submitted in another course, (4) Knowingly and intentionally assisting another student in any of the above actions, including assistance in an arrangement whereby work, classroom performance, examination, or other activity is submitted or performed by a person other that the student under whose name the work is submitted or performed, (5) Plagiarism.

**Academic Dishonesty Penalty for Violation**
Academic dishonesty will result in a failing grade for this class.

**Withdrawal Policy**
A student will be withdrawn by the professor for excessive absences after missing four consecutive classes.

**Blackboard Gradebook/SafeAssign (GB) Class Information**
This course meets traditionally in the classroom, but is also supported by a limited Blackboard course site. This course site provides an electronic Gradebook and may also provide SafeAssign assignments and some handouts/links to online resources which require you to have Internet access. Before you decide to take this course
which utilizes a Blackboard Gradebook/SafeAssign course support site, it is recommended that you carefully review the:

**Blackboard Access**

- Access to your Component Course is AVAILABLE each term on the FIRST DAY OF CLASSES

**Blackboard Orientation and Assistance**

- How to Register for the Free Online Orientation Course: ELO1000
- How to obtain Blackboard assistance from the Online Student Support Center

**Blackboard Tips & Tutorials**

- How to Ensure your Computer is Compatible
- Ensure you Understand Examination and Assignment Rules
- Learn the Functions of Blackboard

Then proceed to - Palm Beach State Blackboard (https://palmbeachstate.blackboard.com)

To Login to your Gradebook/SafeAssign (GB) Course Site (not available before the first day of class) using the same **USERNAME and PASSWORD** you used to register for classes.

For Additional Information and Obtaining Assistance visit the eLearning Student Support Center

https://www.palmbeachstate.edu/elearning/students/default.aspx

**Blackboard Gradebook/SafeAssign (GB) Course Requirements**

**Computer Systems**

Your computer system resources must be compatible with the Learning Management System (LMS) used to deliver/manage course content. System Check (analysis) is provided on the course login page at https://palmbeachstate.blackboard.com. Your computer needs to be configured per recommended settings. Failure to do so generally results in test submission and other participative action errors. These types of errors are generally not accepted as an excuse for missed submissions.

**SLC Computer Lab**

If students do not have access to a computer at home, the SLC Computer Lab at a Palm Beach State campus can be used to complete course assignments. Visit the SLC Computer Lab webpage at http://www.palmbeachstate.edu/slc for location and hours.

**Student Computer & Learning Management System Skills**

Students need to possess basic webbrowsing skills and need to learn the functions of the Learning Management System (LMS). Students can learn how to use the LMS by enrolling in a free **ELO1000 Online Orientation Course**. Online video tutorials are provided for all major LMS functions and can be accessed from the online classroom by clicking on the ‘Support’ tab on the right-hand side of the course window.

**Course Login**
Information on how to change your password and solving other login related issues is provided on the LMS Login Page:

https://palmbeachstate.blackboard.com – simply follow the link
Forgot Your Password?
(https://webservices1.palmbeachstate.edu/FCCSC/pbsc/security/passwordhelp.jsp)

Please keep in mind:
Username: Your PBSC Student ID
Password: Your PBSC Password (must be 6 characters)

Online Textbook Purchase

The textbook(s) can be purchased at the PBSC Campus Bookstore or online at http://www.bkstr.com/palmbeachstcentralstore/home.

For GB Course Assistance, please contact your:
- Professor/Instructor  with Course Instructional Content (handouts provided, assignment availability dates, course instructions, etc.) issues.
- Student Helpdesk  with Username/Password & General Access issue: Phone: 561.868.4000.
- Online Student Success Specialist  for all LMS (Blackboard) issues and assistance:
  Phone: 561.868.3303
  Email: elearningsuccess@palmbeachstate.edu
  Web Form: http://palmbeachstate.co1.qualtrics.com/SE/?SID=SV_etgXQrKPN7GX0YI&Q_JFE=0

Student Code of Conduct

Unauthorized Use of Voice and Video Recording
Using any device to make an audio or video recording of any person without their prior knowledge or express consent.

College Policies

Academic Dishonesty/Integrity
Academic misconduct including, but not limited to, unauthorized use of aids, cheating, fabrication, plagiarism, or facilitating academic dishonesty in the classroom or other college environments, as defined below:

Plagiarism

- Taking the words or specific substance of another and either copying or paraphrasing the work without giving credit to the source.
- Submitting a term paper, examination or other work written by someone else.
- Failure to give credit in a footnote for ideas, statements of facts or conclusions derived by another.
- Failure to use quotation marks when quoting directly from another person, whether it is a paragraph, a sentence or even a part thereof.
- Similar and extended paraphrasing of another.
Cheating
Using unauthorized notes, study aids, or information from another student or student’s paper on an in-class examination; altering a graded work after it has been returned, then submitting the work for regrading; and allowing another person to do one’s work and to submit the work under one’s own name or otherwise not following the rules or instruction to gain an advantage.

Fabrication
Presenting data in a piece of work that were not gathered in accordance with guidelines defining the appropriate methods for collecting or generating data and failing to include a substantially accurate account of the method by which the data were generated or collected.

Aiding and Abetting Dishonesty
Providing material or information to another person with knowledge that these materials or information will be used improperly pursuant to Florida Statutes 877.17 (1).

Forgery
Altering documents affecting academic records; forging a signature of authorization or falsifying information on an official academic document, election form, grade report, letter of permission, petition, or any document designed to meet or exempt a student from an established College academic regulation.

Warning: Students may not withdraw from a class to avoid a failing grade as a result of such a violation.

Please refer to the Palm Beach State College Student Handbook (www.palmbeachstate.edu/current for link to the student handbook).

Classroom Etiquette and Student Behavior Guidelines
Students will demonstrate respect for professors and fellow students. Behavior that is deemed disruptive to a positive learning environment will be addressed by the professor and may result in a warning. If the student’s behavior is deemed extreme in nature, the student will be referred to the dean of students for disciplinary action in accordance with the Student Handbook. Consequences for such behavior may result in formal conduct charges and sanctions.

Computer Competency Component
Each student will, to the satisfaction of the professor, demonstrate a fundamental understanding of basic computer operations through various professor-determined exercises and/or assignments.

Disability Support Services
Students with disabilities are advised, in compliance with federal and state laws, that accommodations and services are available through the office of Disability Support Services (DSS). It is the student's responsibility to contact the Disability Support Services office and to submit appropriate documentation prior to receiving accommodations and/or services. Please see the website at www.palmbeachstate.edu/disability for additional information.

Eating, Drinking and Smoking
Eating and drinking are confined to areas designated on the campus. Smoking, including electronic cigarettes (also known as e-cigarettes, vapors, vaporizers, or nicotine vaporizers), is not permitted in any College building and only in areas designated at each campus.
Final Course Grade Appeal
The evaluation of academic work is the responsibility of the faculty member/instructor. The method for assigning the final course grade is established by the faculty member/instructor. Per Board Rule 6Hx-18-3.191, faculty/instructors shall communicate the grading policy of the course to their students in writing. If this policy changes during the term, students should be notified of any changes in writing. The method to determine final course grades must be communicated to students in a course syllabus prior to the beginning of the course. Should a student have a question about a final course grade, please follow the procedures as outlined in the student handbook: www.palmbeachstate.edu/current.

Mid-Term Grade Reporting
Within one week after the close of the mid-term grading period, mid-term grades will be made available to all students for each class by either written notification or individual conference.

Student Responsibility Policy
When a student attends the College, s/he becomes subject to its jurisdiction. Students are expected to conduct themselves in a responsible manner, in all areas of campus life. By enrolling, they pledge to obey the rules and regulations of the College and are responsible for observing all College policies and procedures as published in the student handbook, the College catalog, and other College publications which may be related to specific program of study. The student will be responsible for preparing for class, participating in class, and completing assignments on time.

Palm Beach State Websites of Interest
Please see this web page (www.palmbeachstate.edu/current) for a list of web addresses for students.

Withdrawal Policy for Individual Courses
The last day to withdraw from a College course with a "W" grade in this course is 2019-11-06. It is the responsibility of the student to use the PantherWeb system or visit a campus Registrar’s office to withdraw. An official withdrawal entitles the student to a grade of "W" in the class. Students may not withdraw from a class to avoid a failing grade as a result of a violation of the Academic Dishonesty/Integrity Policy.

Department Contact Information
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Job Title: Associate Professor, Bachelor Degree Programs