2020

Syllabus for Issues in Law Enforcement: Cybersecurity and Public Interest Technology

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Issues in Law Enforcement-Cybersecurity and Public Interest Technology
Professor Amy J. Ramson

Course Designations:
1. This class is a hybrid course.
RIGHT NOW—
Please take the following survey to determine if this **hybrid mode** is suitable for you:
http://commons.hostos.cuny.edu/online/students/are-you-ready/

2. This class has a service learning component**.** See below for definition and description of project.

COURSE OBJECTIVES

High-impact practice course objectives

Increase critical thinking and analytical skills
Development of tolerance and empathy for defendants and criminal justice officers
Appreciation of different viewpoints
Increase in engagement both in student's lives outside the classroom and in the classroom setting.
Development of professional self-view

General Education course objectives

Development of ability to participate with self-awareness when interacting as a member of diverse local and global communities
Development of leadership skills
Development of ability to interact with others who espouse different views
Development of ability to make connections and transfer information acquired in the classroom to real-life situations

Course-specific objectives

Explore how the Internet works
Learn about different types of cybercrime: phishing; malware; scams; identity theft; corporate espionage etc.
Learn about cybersecurity techniques and personal/corporate best practices
Acquire Knowledge about federal and state criminal and civil anti-cybercrime statutes
Learn about privacy issues relating to technology and cybersecurity and federal and state statutes protecting privacy
Acquire knowledge about potential careers in cybersecurity and career paths
Understand the role and the changing role of law enforcement in society
Learn about use of force
Explore issues relating to law enforcement and the community, current and past
Gain knowledge about NYS Unified court system

Policies and Services:

Academic Integrity:

Academic Dishonesty is prohibited in The City University of New York and is punishable by penalties, including failing grades, suspension, and expulsion, as provided within the College Catalogue:
http://www.hostos.cuny.edu/sdem/student_life_aip.html

Students are responsible for upholding the academic integrity of the program by not participating either

directly or indirectly in acts of cheating and by discouraging others from doing so.
Student responsibilities include, but are not limited to, the following:

No student shall:

- Give or receive any assistance or communicate in any way with another student while an examination is in progress.
- Use unauthorized notes, books or other materials during an examination.
- Attempt to obtain or disseminate the content of any examination prior to its distribution by the proctor.
- Procure or distribute answers to examinations in advance.

Be advised that:

1. Written assignments must be the product of student's own research.
2. No student shall submit work that has been written by someone else or copied from an outside source.
3. No student shall submit work that has been previously submitted in either whole or part for academic credit. This is termed "self-plagiarism."
4. Late assignments will not be accepted.
5. Students who engage in academic dishonesty will receive a grade of zero for the assignment/exam.
6. HCC Library offers workshops and provides assistance on how to avoid plagiarism.

Students with Disabilities:

The Americans with Disabilities Act https://www.dol.gov/general/topic/disability/ada
prohibits discrimination based on disabilities and requires the College to be physically and programmatically accessible. Beyond the basic requirements of the ADA, Section 504 of the Rehabilitation Act and New York State and New York City statutes, the College has created an office, The **Accessibility Resource Center** (ARC), which provides services to maximize his/her potential for success. Based on an intake interview and documentation provided by the student, a variety of accommodations may be provided to assist qualified students to attain their academic objectives. Intake and counseling are provided in English and Spanish as provided in the College catalog.
If you are already registered with **ARC** and have a letter verifying that you are a qualified student with a disability, please present the letter to the instructor as soon as possible.   The instructor will work with you and **ARC** to plan and implement appropriate accommodations.

Tutoring:

Tutorial services are available at the Hostos Academic Learning Center (HALC) in most courses offered at Hostos. Tutors work with students either one-on-one or in small groups to provide general course review and pre-exam preparation

<center>Requirements</center>

General Expectations including attendance and participation

Students are expected to:

1. Check Blackboard site several times weekly.
2. Maintain Hostos email accounts accessible for new mail by emptying e-mail box periodically.
3. Communicate using Hostos email. If this is not possible, personal account may be used. Arrive to class **promptly**. Absences must be documented. Lateness affects grade. **All work must be completed even where absent.**

4. Attend every face-to-face class. For online component, you will be marked absent if you do not submit the quiz on time.
5. Submit all assignments on time.
6. Alert the professor if cannot attend/will be tardy to class, or cannot take an exam. Since makeups are not given, provide justification for missing exams.
7. Place cell phones on vibrate or off in class and turn off for exams.
8. NO TEXTING during class. I will ask you to leave if you text and I will mark you absent from the class.
9. Perform all lesson objectives, activities and reading assignments.
10. Participate in class activities and discussions. Quantity and quality of participation will be factored into the grade.

Hybrid:

In hybrid (blended) courses, students will have in-class sessions once a week. Students are expected to accomplish the other 50% of coursework outside of class and online. To succeed in a hybrid class, students must have proficient computer skills, be self-motivated and committed to learning and working independently. Online classes are a good option for self-starters and for students who can take the initiative to complete some coursework without direct supervision of a professor. Students are expected to work as much in a hybrid course as in a traditional face-to-face class.

Hybrid requirements-Students should:

1. Be familiar with Microsoft Word and the Internet
2. Have access to high-speed Internet from home or elsewhere.
3. Be comfortable with database research minimally using Academic Search Complete.
4. Be comfortable with Power Point.
5. Be comfortable with latest Blackboard 9.1.
6. Maintain CUNYfirst account-Portal
7. Possess adequate computer skills. If you feel that you lack adequate computer skills, please take computer training offered through free workshops

Service Learning:

The course is SL designated. This course contains a service-learning component, which must be fulfilled in order to receive a grade in the course.
Service Learning (SL) is a type of experiential learning opportunity (ELO) that places
equal emphasis on the service provided to the community and structured opportunities
for learning through reflection and engagement. (Hostos Community College SL and CE Committee)

Benefits of service-learning:

Studies have demonstrated that service learning imparts employment and personal competencies. Academically, in addition to enhancing career choices, service-learning leads to the development of critical thinking (Heinrich, Habron, Johnson & Goralnik, 2015). Service allows students to take theory learned in class and apply it, thus deepening their knowledge and facilitating connections and allowing them to learn how to transfer knowledge to real-life situations (Ramson, 2014). This pedagogy gives students an opportunity to see themselves as professionals and potential leaders in their community (Jamplis, 2015). Service learning develops global competency by providing situations in which students develop empathy for others, such as the plight of defendants or stress that officers endure on the job (Ramson, 2013).

Topic	Students
INTRODUCTION We are the vulnerability that cyber criminals are using to commit cybercrime 95% of the time and cybercrime is preventable 95% of the time. Explain that they are using your tendency to trust to exploit you. Explain that everyone's information is valuable to cyber criminals even students and people with no financial record or a small financial record is good for them because they can take your whole record and manipulate it. They can steal your identity, and steal your contacts etc.	
Describe phishing-bring across the concept that cybercriminals are looking for a way to get in to your cell phone, computer, smart appliance and commit a crime and they do that through by phishing. Describe two kinds in details.	
Describe malware-bring across the concept that once criminals are in, that they can place malicious software in your phone, computer, smart appliance and choose two types in detail but one has to be ransomware	
Describe scams-bring across concept that cybercriminals use your relationships to trick you and they can get you to give them information. Describe two in detail.	
If you are a victim of a phishing attack what do you do? and where to report attack AND If you are a victim of a ransomware attack what do you do?	
BEST PRACTICES Systems security Password and email	
INFORMATION What needs to be protected in general? Name different types of Personally identifiable information	
PREVENTION How to prevent your money and your mobile device How to protect your home Wifi	
HAVE I BEEN PAWNED? https://haveibeenpwned.com/	

All other academic requirements:

1. Homework must be brought to the class on due date.
2. Supplemental readings must be done.
3. All assignments **must be word-processed.** A **discretionary** field trip will be arranged to the Bronx County courts. See field trip folder. We will view the pre-trial process at Bronx Criminal Court.
4. Two exams and one final examination. Examinations will require essays, short answers and definitions. Study sheets are available for each exam. There is a review for all exams. Most questions are based upon fact patterns. There are no make-ups.
5. Team project must be completed.
6. Service learning project must be completed. See description of service learning project under syllabus folder.
7. Discussion board forum relating to ethical and privacy issues in technology/cybersecurity

**If you fail the first exam or the second exam, you must attend tutoring for 3 sessions 30 minutes each session before the second and/or third exam and you must provide proof of this to take the second/final exam. See section on HALC-tutoring.

Grading at HCC

Letter Grade	Range	Point Value
A	93-100	4.0
A-	90-92	3.7
B+	87-89	3.3
B	83-86	3.0
B-	80-82	2.7
C+	77-79	2.3
C	70-76	2.0
D	60-69	1.0
F	Failure	0.0

Grade breakdown

1. The two examinations and final examination will have the same weight 25% each of the final grade.
2. The team assignment in class is 5% of the final grade
3. The Service learning component plus discussion board forums are 20% of the final grade
4. The online quizzes and homework must be completed in a satisfactory manner
5. Attendance and class participation and homework must be satisfactory
6. All of the above 1-5 must be done in order to obtain a grade in the class

Requirements and grading:

Requirements	POINTS	DUE
Participation in class discussions	No points are assigned	Throughout the semester
Homework and quizzes	Satisfactory completion	Each week
Visit to court	Extra credit for first exam Blog about impression of visit	tba
Service Learning project and discussion board forums	20	tba
Team project	5	tba

First exam	25	tba
Second exam	25	tba
FINAL EXAM	25	OFFICIAL EXAM PERIOD
TOTAL	100	

CLASS TOPICS

Week F-2-F FIRST and on-line sessions SECOND	Topics	Readings and WHERE TO LOCATE ON BLACKBOARD SITE
1 INTRODUCTION TO THE COURSE AND TO YOUR CLASSMATES	Reviewing syllabus and icebreaker assignment	ANSWER THREE QUESTIONS IN 2-3 MINUTE VIDEO OF YOURSELF AND ATTACH A IN CLASS PADLET IN ASSIGNMENT 1 & YOU WILL RECEIVE AN INVITATION TO POST TO PADLET
2 HOW THE INTERNET WORKS	How the internet works Discussion Board forum #1	Cyber security Techniques-What is the Internet? https://www.oercommons.org/courses/cyber-security-techniques-what-is-the-internet-by-amy-j-ramson IN COURSE DOCUMENTS INTERNET FOLDER AND DISCUSSION BOARD
3 HISTORY OF CYBERSECURITY	From the beginning of the Internet and hacking	Cybersecurity-Beyond Data Protection https://www.oercommons.org/courses/cybersecurity-beyond-data-protection-by-amy-j-ramson-and-ez-tech-assist IN COURSE DOCUMENTS HISTORY OF CYBERSECURITY FOLDER
4 CYBERCRIME	Description of cybercrimes Discussion Board Forum #2	Cybercrime and Cybersecurity Techniques https://www.oercommons.org/courses/cybercrime-and-cyber-security-techniques-by-amy-j-ramson IN COURSE DOCUMENTS BACKGROUND FOR COURSE TOPICS FOLDER AND DISCUSSION BOARD
5 CYBERCRIME	Description of cybercrimes	Cybercrime and Cyber security Techniques https://www.oercommons.org/courses/cybercrime-and-cyber-security-techniques-by-amy-j-ramson IN COURSE DOCUMENTS BACKGROUND FOLDER
6 CYBERSECURITY	Description of cyber security techniques and best practices	Cybercrime and Cyber security Techniques https://www.oercommons.org/courses/cybercrime-and-cyber-security-techniques-by-amy-j-ramson IN COURSE DOCUMENTS IN BACKGROUND FOLDER

7 EXAM 1	F-2-F REVIEW EXAM 1 ONLINE EXAM 1	COURSE DOCUMENTS: FOLDER EXAM 1 STUDY SHEET
8 EXAM REVIEW (FIRST 15 MINUTES OF CLASS) AND CYBER SECURITY LEGAL ENVIRONMENT	CHALLENGE OF LAW ENFORCEMENT IN CYBERCRIME AND DOJ/AND OTHER DEPARTMENTS INVOLVED IN CYBERCRIME	CYBERSECURITY-THE LEGAL ENVIRONMENT This is the presentation: https://www.oercommons.org/courses/cybersecurity-cybercrime-the-legal-environment-by-amy-j-ramson IN COURSE DOCUMENTS CRIMINAL/CIVIL AND PRIVACY STATUTES **Addition to presentation-SEC issued guidance concerning public companies' disclosure obligations under existing law with respect to cybersecurity risk and incidents. This is not a rule or a law but SEC has enforcement capabilities. Below is an interpretation of the disclosure obligation: https://www.sec.gov/rules/interp/2018/33-10459.pdf
9 CYBERSECURITY LEGAL ENVIRONMENT	CRIMINAL/ CIVIL/PRIVACY STATUTES Discussion Board Forum #3	CYBERSECURITY-THE LEGAL ENVIRONMENT https://www.oercommons.org/courses/cybersecurity-cybercrime-the-legal-environment-by-amy-j-ramson IN COURSE DOCUMENTS CRIMINAL/CIVIL AND PRIVACY STATUTES FOLDER AND DISCUSSION BOARD
10 CYBERSECURITY SILK ROAD MARKET	CASE DEMONSTRATING HOW GOVERNMENT INVESTIGATED AND PROSECUTED A CYBERSECURITY CASE	CYBERSECURITY-SILK ROAD MARKET https://www.oercommons.org/courses/cybersecurity-the-silk-road-market-by-amy-j-ramson IN COURSE DOCUMENTS SILK ROAD MARKET CASE FOLDER
11 EXAM 2	F-2-F EXAM 2 REVIEW ONLINE EXAM 2	IN COURSE DOCUMENTS: FOLDER EXAM 2 STUDY SHEET
12 TEAM PROJECT	DISCUSS ASSIGNMENT REQUIREMENTS TEAM 1 PRESENT ANALYSIS OF CASE STUDIES IN TO CLASS WITH INDUSTRY EXPERT MENTORING	TWO CASE STUDIES: ONLINE IDENTITY THEFT https://www.oercommons.org/courses/cybersecurity-online-identity-theft-by-amy-j-ramson CORPORATE ESPIONAGE https://academicworks.cuny.edu/ho_oers/10/ IN COURSE DOCUMENTS ONLINE IDENTITY THEFT AND CORPORATE ESPIONAGE FOLDERS AND ASSIGNMENT FOLDER TEAM ASSIGNMENTS

13 TEAM PROJECT	TEAM 2 WILL PRESENT ANALYSIS OF CASE STUDIES TO CLASS WITH INDUSTRY EXPERTS MENTORING	TWO CASE STUDIES: THE INTERNET OF THINGS https://www.oercommons.org/courses/cybersecurity-the-internet-of-things-by-amy-j-ramson FAKE NEWS https://www.oercommons.org/courses/cybersecurity-fake-news-by-amy-j-ramson IN COURSE DOCUMENTS THE INTERNET OF THINGS AND FAKE NEWS FOLDERS AND ASSIGNMENT FOLDER: TEAM ASSIGNMENTS
14 SERVICE LEARNING REHEARSAL AND PRESENTATION	PRESENTATION BY CLASS TO COLLEGE COMMUNITY "HOW TO PREVENT BEING HACKED"	USE THE RESOURCES PROVIDED TO THE CLASS AND OTHER RESOURCES TO CREATE A CLASS POWERPOINT, WHICH WILL BE PRESENTED TO WHOLE COLLEGE COMMUNITY. I WILL PROVIDE TOPICS TO GROUPS AND WILL POST IN GROUPS ON THE LEFTHAND SIDE MENU OF OUR BB SITE GROUPS ON LEFT HAND SIDE MENU OF BB SITE AND ASSIGNMENTS FOLDER: SERVICE LEARNING ASSIGNMENT
15 FINAL EXAM AND REVIEW	F-2-F REVIEW IN CLASS DURING EXAM PERIOD	COURSE DOCUMENTS: FOLDER FINAL EXAM STUDY SHEET

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