Rutgers University – Newark
Cyber Crime
47:202:323 :01
Spring 2019
Hill: 107
Monday and Thursday 1:00pm – 2:20pm

Instructor: Binneh s Minteh
Office Hours: By appointment
Office Location: CLJ 354E
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I: Course Overview

This course provides an overview of crime in cyber space to students who have no educational background on computer science. This course will provide students with an introduction of the social, legal, and technical impact of cybercrime on the global stage. The main course contents will generally focus on cybercrime in the context of criminology and policing cybercrime. Course lessons will expose students to specific aspects of cybercrime (micro level) and the linkages of traditional crime to cybercrime and mainstream society at large (macro level). The course will incorporate diverse learning activities including lectures, class exercises, presentations and group discussions.

Prerequisites: None

B.S., Criminal Justice Program Learning Goals
Upon completion of the B.S. in Criminal Justice at Rutgers University-Newark, students should be able to:
1) Describe the development and functions of major criminal justice institutions (e.g., police, courts, corrections, and juvenile justice), the activities of actors within these institutions, and how they relate to one another as well as the broader social, political, and economic world.

2) Describe the mechanisms, correlates, theoretical underpinnings, and situational contexts of crime, criminal behavior and opportunity, and techniques for prevention and treatment.
3) Apply and analyze theories related to the policies and practices of the criminal justice system and its major institutions.

4) Demonstrate the ability to gather, explain, and apply empirical research in the field of criminal justice.

5) Obtain a comprehensive knowledge about the process of conducting criminal justice research, and develop the skills to conduct criminal justice research with appropriate methodologies.

Student Learning Objectives/Outcomes

- Students will learn about the origin, development, trend and future of delinquency and crime in cyber space.
- Students will learn about the causes, definitions and typologies of cybercrime including cyber terrorism.
- Students will learn about the basic structure and functions of Information and Technology infrastructure and its vulnerabilities.
- Students will learn that the cybercrime studies are interdisciplinary studies made up of technology, delinquency, policing and society.
- Students will learn about the dynamic relationships among all parts and players of the cybercriminals, victims, IT society and cyber policing.
- Students will learn to think critically about how policies and practices of policing on cybercrime might affect other criminal justice agencies, social systems, and/or key stakeholders

Required Course Material

- Taylor, R. W., Fritsch, E.J., and Liederbach, J. (2015). Digital Crime and Digital Terrorism (3rd edition), Pearson Prentice Hall: Upper Saddle River, NJ. [ISBN-13: 978-0-13-345890-9, ISBN-10: 0-13-345890-3].

Recommended Course Material
- Janine Kremling, Amanda M.Sharp Parker (2018), Cyber Space, Cyber Security, and Cyber Crime, ISBN-978-1-5063-4725-7

- Supplemental reading articles will be assigned and made available to students each class time during the semester.

Course Requirements:
Students are required to read assigned readings and participate in classroom discussions in a manner that reflects familiarity with the readings and previous class sessions. Students are required to access the course website regularly to stay informed about any changes in lecture topics, assigned readings and other course announcements.

Course Structure:

The course will incorporate diverse learning activities including lectures, PowerPoint presentations, and group discussions.

Classroom learning is a group activity that depends upon everyone's full participation in order to succeed. I expect students to: be prepared to begin class on time, silence or turn off and put away cell phones and other electronic devices, read and be prepared to discuss homework, submit assignments on time, and assist your classmates. You can expect that I will: be on time and prepared for every class, be available via email and appointments to answer questions, make every class engaging and valuable, and respect your contributions to class.

II: Course Schedule

Week	Date	Topics and Assignment Deadlines
1	Jan 24	Introductions
		Course Overview
2	Jan 28/31	Taylor **,** Fritsch and Liederbach **,** Chapter 1**:** Overview of Digital Crime Janine Kremling, Amanda M.Sharp Parker, Chapter 1: Cyber Space , The Internet and The World Wide Web Janine Kremling, Amanda M.Sharp Parker, Chapter 2: What is Cyber Security?
		Digital Terrorism
3	Feb 4/7	Taylor **,** Fritsch and Liederbach **,** Chapter 3**:** The criminology of Computer Crime
		Janine Kremling, Amanda M.Sharp Parker: Chapter 3: Three Factors – Computers as Targets
4	Feb 11/14	Taylor **,** Fritsch and Liederbach **,** Chapter 4: Hackers Janine Kremling, Amanda M.Sharp Parker: Chapter 4: Threats to Cyber Security by Hacktivists and Nations -States
5	Feb 18/21	Taylor **,** Fritsch and Liederbach **,** Chapter 7: Viruses and Malicious Code
		Exam I
6	Feb 25/28	Taylor **,** Fritsch and Liederbach **,** Chapter 8: Sex Crimes, Victimization, Obscenity across the World Wide Web Janine Kremling, Amanda M.Sharp Parker, Chapter 8: An evolving Threat : The Deep Web
		Mid-Term Exam
7	March 4/7	Taylor **,** Fritsch and Liederbach **,** Chapter 9 : Anarchy and Hate on the World Wide Web

8	March 11/14	Taylor , Fritsch and Liederbach , Chapter 10: Digital Laws and Legislation
		Janine Kremling, Amanda M.Sharp Parker, Chapter 10: Cyber Security Policies and Legal Issues **Exam II - Midterm Exam**
9		**Spring Recess- March 16 – March 24**
10	March 25/28	Taylor , Fritsch and Liederbach , Chapter 2**:** Digital Terrorism and Information Warfare Janine Kremling, Amanda M.Sharp Parker : Chapter 7: Cyberterrorism
11	April 1/4	Taylor , Fritsch and Liederbach , Chapter 14**:** Information Security and Infrastructure Protection Janine Kremling, Amanda M.Sharp Parker, Chapter 6: National Security and Information Warfare
		Chapter11: Law Enforcement Roles and Responses
12	April 8/11	Taylor , Fritsch and Liederbach , Chapter 12**:** - The Investigation of Computer-Related Crime Janine Kremling, Amanda M.Sharp Parker, Chapter 9: Cyber Security Operations
		Taylor , Fritsch and Liederbach ,Chapter 13; Digital Forensics
13	April 15/18	Taylor, Fritsch and Liederbach, Chapter 5; Sophisticated Cyber Criminal Organizations
		Janine Kremling, Amanda M.Sharp Parker,Chapter 4: Threats to Cybersecurity by Criminals and Organized Crime. **Exam III**
14	April 22/25	Taylor , Fritsch and Liederbach , Chapter 15**:** A Forecast of Trends and Policy Implications
		Taylor , Fritsch and Liederbach , Chapter 15**:** A Forecast of Trends and Policy Implications
15	April 29 May 2	Janine Kremling, Amanda M.Sharp Parker, Chapter 11: What The Future Holds
16	May 6	Class Summary and Exam Review
		Final Exam TBA

III: Grading
Grading: 500 points

Course Components	Possible Points		Letter Grade
Attendance/ Participation (10%)	50		A 90 - 100%
Exams I (15%)	100		B+ 85 -89% B 80-84%
Exam II – Midterm Exam (20%)			
Exam III (15%)	150		C+ 75-79% C 70-74%
			D 70%
Final Exam (40%)*	200		F 60%

Readings. Students are expected to complete all assigned readings *before* each class meeting. Class lectures and discussions will provide a venue to share insights gained from the assigned readings and to ask questions about issues of concern from the readings. Students also are responsible for reading all supplemental material assigned or provided.

Attendance and Participation
Attendance and participation constitute an integral part of your grade. Two or more unexcused absences will affect a portion of your grade. As such, students' attendance and active participation are both desired and expected. Failure to attend a class or leaving class before its conclusion will constitute an absence, unless a documented excuse is provided. *If you miss more than two (2) classes without a documented excuse, your ability to pass this class will be placed in serious jeopardy.* Also, it is important to note that lateness will not be tolerated. You will be considered late if you arrive after class has started. *Please note that three (3) tardy days equate to one absence.*

There will be **Four Exams** administered throughout the semester. Students who fail to complete the exam on the prescribed dates WILL NOT be permitted to take the exam unless extenuating circumstances exists (i.e. medical attention, family emergency, etc.). Proper documentation MUST be provided before the student is able to take a make-up examination.

- **Exam I**
- **Exam II – Midterm Exam**
- **Exam III**
- **Final Exam**

Final Exams
This is a cumulative final examination designed to confirm student understanding of the concepts, theories and challenges of cyber-crime in contemporary criminal justice. In this exam students will respond to Multiple Choice, True or False and Short Questions. No text books, computers or cell phones are allowed during the exams.

IV. Course Policies

Classroom Rules
All members of this class are required to conduct themselves in an appropriate and professional manner. Laptops are permitted only if disengaged from the internet and other electronic devices should be stored away unless you specifically seek the instructor's permission. In this class, we may have discussions that challenge our taken for granted assumptions about crime and justice. Students should be prepared to engage honestly and openly about this material and perhaps even examine their own beliefs about the issues. While I am hopeful that the course materials will spark interesting discussion, personal insults or other types of demeaning, disrespectful, or threatening comments toward other class members about their experiences, backgrounds, or statements will NOT be tolerated. No eating and use of cell phone is allowed in the classroom.

Academic Integrity
As a member of the Rutgers University community you are not to engage in any academic dishonesty. You are responsible for adhering to basic academic standards of honesty and integrity as outlined in the Rutgers University Policy on Academic Integrity for Undergraduate and Graduate Students http://studentconduct.rutgers.edu/academic-integrity

Your academic work should be the result of your own individual effort, you should not allow other students to use your work, and you are required to recognize and reference any material that is not your own. Violations of the university's policy will result in appropriate action.

Academic Resources

The Writing Center: The Writing Center offers writing tutoring and writing workshops to all undergraduate students currently enrolled in classes on the Rutgers, Newark campus. To request more information, sign up for tutoring or to register for workshops, visit Conklin Hall 126, or online at: http://andromeda.rutgers.edu/~nwc/

Rutgers Blackboard System
All of the materials and assignments for this course can be accessed on, and downloaded from, the Rutgers' Blackboard Course site: http://blackboard.newark.rutgers.edu/. Your login information is the same username and password you use to access your Rutgers student information. If you utilize an email address that is different from the one that Rutgers assigns you, please change your email address on blackboard**.** Emails will be sent to the class through Blackboard. Students are responsible for any messages sent via the Blackboard message

system.

<u>Students with Disabilities</u>
Rutgers University is committed to providing equal educational opportunity for persons with disabilities in accordance with the Nondiscrimination Policy of the University and in compliance with § 504 of the Rehabilitation Act of 1973 and with Title II of the Americans with Disabilities Act of 1990. For additional information please visit the website https://ods.rutgers.edu/ or contact the representative for the Newark Campus.
Allen Sheffield
Director of ADA Services and Academic Support
Robeson Campus Center, Suite 352
350 Martin Luther King Jr. Boulevard
Newark, NJ 07102
Phone: 973.353.5300
Fax: 973.353.5666
E-mail: kate.torres@rutgers.edu
Website: https://ods.rutgers.edu/
Psychological and Counseling Services
If you experience psychological or other difficulties as a result of this course, or because of other issues that may interfere with your performance in the course, please contact the university's psychological and counseling service center (http://www.counseling.newark.rutgers.edu; 973-353-5805), which is located in Blumenthal Hall, room 101. The center offers a variety of free, confidential services to part-time and full-time students who are enrolled at Rutgers.
If you are interested in finding out more about
  • Accelerated Master's Program (B.S. /M.A.)
  • Criminal Justice National Honor Society (Alpha Phi Sigma)
Please refer to the School of Criminal Justice website http://rscj.newark.rutgers.edu/
Follow us, to stay up to date! @SCJ_apps