Sul Ross State University
Seminar in Cybercrime Investigations
Fall 2022
CJ 5365 Syllabus

Instructor: Oguzhan Basibuyuk, Ph.D
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Class hours/ Classroom: Online
Office hours: Tuesday**,** Wednesday, and Thursday between 1:00 PM and 3 PM
REQUIRED READINGS:
Course readings (e.g., articles, reports) will be posted on Blackboard.
RECOMMENDED READINGS:
- Bandler, J. & Merzon, A. (2020). Cybercrime Investigations: A Comprehensive Resource for Everyone. ISBN 9781003033523. CRC Press.
  http://sulross.textbookx.com/institutional/index.php?action=browse#books/3374050/
- Sachowski, J. (2018). Digital Forensics and Investigations: People, Process, and Technologies to Defend Enterprise. ISBN -13: 978-1-138-72093-0. CRC Press
- Edwards, G. (2020). Cybercrime Investigators Handbook. ISBN-13: 978-1119596288 WILEY
- Taylor, J. & Easttom, C. (2011). Computer Crime Investigation and the Law. ISBN-13: 978-1-4354-5532-0. Cengage

SRSU LIBRARY SERVICES
The Sul Ross Library offers FREE resources and services to the entire SRSU community. Access and borrow books, articles, and more by visiting the library's website, www.library.sulross.edu . Off-campus access requires your LoboID and password. Check out materials using your photo ID. Librarians are a tremendous resource for your coursework and can be reached in person, by email (srsulibrary@sulross.edu), or phone (432-837-8123).
Once you logged in to your Sul Ross Account on Blackboard you should be automatically connected to the library webpage as well. Thus, you can browse the online databases of the University and reach the articles on the reading list.
Syllabus is subject to updates and changes always look to the course announcements and reminders for updates. The faculty member reserves the right to amend this syllabus as needed.
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SOME USEFUL WEBSITES FOR RESEARCH DATA
1- Computer Crime and Intellectual Property Section (CCIPS) of the Department of Justice https://www.justice.gov/criminal-ccips
2- CCIPS Press Releases – 2019 https://www.justice.gov/criminal-ccips/ccips-press-releases-2019
3- FBI The Uniform Crime Reports https://www.fbi.gov/services/cjis/ucr
4- DOJ Bureau of Justice Statistics https://www.bjs.gov/
5- National Crime Victimization Survey http://www.bjs.gov/index.cfm?ty=dcdetail&iid=245
6- National Computer Security Survey http://www.bjs.gov/index.cfm?ty=dcdetail&iid=260
7- International Crime Victim Survey http://www.unicri.it/services/library_documentation/publications/icvs/
8- General Social Survey https://www150.statcan.gc.ca/n1/en/catalogue/89F0115X

9- Executive Order 13636 https://www.whitehouse.gov/the-press-office/2013/02/12/executive-order-improving-critical-infrastructure-cybersecurity
10- NIST Cybersecurity Framework https://www.nist.gov/cyberframework
11- UNODC Comprehensive Study on Cybercrime https://www.sbs.ox.ac.uk/cybersecurity-capacity/content/unodc-comprehensive-study-cybercrime
12- Internet Crime Complaint Center https://www.ic3.gov/default.aspx

RECOMMENDED VIDEO RESOURCES FOR THE COURSE

1. Targeted Cyber Attack Reality—Don't Be a Victim—Trend Micro, https://www.youtube.com/watch?v=0hs8rc2u5ak
2. Three Alleged International Cyber Criminals Charged for Creating & Distributing the Gozi Virus, https://www.youtube.com/watch?v=yk32_8UFL8w
3. Cesare Lombroso, Left Handedness, and the Criminal Mind, https://www.youtube.com/watch?v=HmdAYqqc8gc
4. Kevin Mitnick, The Cyberspace Kid, https://www.youtube.com/watch?v=fQKF3m45-rI
5. Anonymous - The Hacker Wars Full Documentary https://www.youtube.com/watch?v=ku9edEKvGuY
6. Hackers National Geographic Full documentary https://www.youtube.com/watch?v=eqdkSizQLRk
7. Stalking Amanda Todd: The Man in the Shadows—The Fifth Estate, https://www.youtube.com/watch?v=GRidpO7kUO0
8. Cyberstalking Documentary—Crime & Investigation Channel, https://www.youtube.com/watch?v=BZ6LByl0pgw
9. Navigating the Underground Darknet Black Markets and Tor Hidden Services https://www.youtube.com/watch?v=wPMg4ALAKok
10. The Silk Road: The Rise and Fall of the World's Largest Online Black Market, https://www.youtube.com/watch?v=LkRhBOZSw38
11. The Mix: Cyber-terrorism's Threat, https://www.youtube.com/watch?v=1lF3eywqD-I

COURSE DESCRIPTION

This course is intended to introduce you to several laws and policies and their applicability to various cybercrimes and their investigations. During the semester through your readings, you will gain knowledge about different cybercrime typologies, national and international statues and institutions and their roles about cybercrimes. This course will also provide an introduction to basic concepts of cyber networks, cyber investigations, and digital forensics. Moreover, the course designed to give information to students about the key areas and investigation methods of cybercrimes

COURSE LEARNING OBJECTIVES

This course is designed to provide knowledge about various laws and policies about cyberspace and their applicability to cybercrimes. Upon successful completion of this course, you will be able to:

LO1- Gain knowledge and basic understanding of the key elements and basic concepts of the architecture of internet and cyber networks.

LO2- Identify and understand the definition, problems, and application of cyber jurisdiction

LO3- Define and discuss different types of cybercrimes.

LO4- Identify the key national and global institutions and their roles on international cybersecurity policies and standards about cybercrime.

LO5- Explain the legal and operational challenges for cybercrime investigations. Identify several issues in digital forensics

LO6- Identify and discuss the relationship between cybercrime, individual rights, and democracy

LO7- Become familiar with key national and international laws and policies regarding cybercrimes.

MARKETABLE SKILLS:

This course is designed also to help the students for building various marketable skills to use in their in careers Criminal Justice related professions. Specifically, in this course, the following marketable skills, which are some of the most important skills for such careers, will be emphasized during this course:

MS 1- Written Communication Skills

MS 2- Critical Thinking and Observation

MS 3- Multicultural Understanding.

MS 4- Accessing Resources with Crime Data and the most current updates of legal codes and procedures.

MS 5- Analyzing the Factors Contributing to Crime

CLASS ATTENDANCE/PARTICIPATION:

Given that this is a fully online course; you cannot attend class in a traditional sense. However, students are expected to log into the class at the earliest opportunity to check the class web site every day for announcements. Weekly reaction papers and quizzes are a required part of class participation.

REACTION PAPERS (15 POINTS EACH)

You will write a reaction paper every week. Each paper must be 1 page and 1.5-spaced in 12-point Times New Roman font. Reaction papers will be related to the reading of the week. When there is more than one reading assignment, then the students **SHOULD READ ALL REQUIRED READINGS BUT WRITE REACTION PAPER ON ONE OF THEM**. A reaction paper is not a summary; rather, it should include your perspective, ideas, and critique about the reading. The due dates for the reaction papers will be Sunday at 11:00 pm each week.

WEEKLY QUIZZES (15 POINTS EACH)

You will take a quiz every week to measure the knowledge of the week's required readings. The questions will be posted on Friday at 1:00 pm and the due date will be Sunday at 11:00 pm every week.

MIDTERM EXAM (200 POINT)

You will take one midterm exam. It will have multiple-choice and/or true-false questions. The exam questions will be based on the required readings. A make-up exam is only allowed with a documented, verifiable medical excusal or emergency excusal on the day of the exam.

FINAL PAPER (400 POINTS)

The paper should include at least ten **SCHOLARLY CITATIONS** (not website articles, Wikipedia, news agencies, magazines, etc.), be ten to fifteen pages long (not including cover page and list of references), and typed double-spaced in 12-point Times New Roman font. Be sure to follow APA formatting and citation guidelines. A detailed guide for the steps completing this paper will be added to the Blackboard. **FINAL PAPER SUBMISSION WILL BE IN THREE SUBSEQUENT STEPS. FOR IMPORTANT DATES CHECK THE ACADEMIC CALENDAR BELOW.**

A plagiarism detection software (SafeAssign) is used in this course. SafeAssign will detect and report all instances of plagiarism including where the student copied and pasted directly from a source. Students will receive a grade of zero in these instances and possibly fail the course. Your weekly reaction papers and the final paper will be submitted through SafeAssign. Detailed instruction for using this software will be uploaded on BlackBoard.

ACADEMIC INTEGRITY:

Sul Ross State University students are responsible for reading, understanding, and abiding by the Sul Ross Student Code of Conduct." Student Code of Conduct, Responsibilities, Procedures, and Rights are found in the University website.

Sul Ross State University and the instructor of this course both place a high priority on the academic integrity of their student scholars. As a result, all institutional guidelines and instructional policies concerning academic integrity will be strictly and uniformly enforced with all students regardless of context.

Academic integrity includes, but is not limited to, the following activities: cheating, plagiarism, collusion, fabrication, obtaining an unfair advantage, and falsifying academic records. In addition, academic dishonesty can include both actions and omissions to act in regards to academic exercises and activities. Cheating is defined here as the obtaining of information (electronic or otherwise) during an examination, the unauthorized use of books, notes, or other sources of information prior to or during an examination, the unauthorized use of books, the removal of faculty examination materials, the alteration of documents or records, or actions identifiable as occurring with the intent to defraud or use under false pretenses. Collusion is defined here as helping other students engage in acts of academic dishonesty, whether the student involved obtains any direct academic advantage from these acts. Plagiarism is defined here as the submission of the ideas, words, or artistic productions of another, without giving due credit or when attempting to falsely represent them as one's own.

APA STYLE:

This course will use the American Psychological Association (APA) formatting and style guide for all written assignments. If you have any questions or concerns regarding the use of APA a number of resources have been provided below. Please note that all external sources must be appropriately cited. A failure to do so constitutes plagiarism and is a violation the course academic honesty standards. See www.ciationmachine.net and http://owl.english.purdue.edu/owl/resource/560/01/ for help with APA.

STUDENT SUPPORT SERVICES AND BLACKBOARD HELP DESK

Sul Ross State University has established a variety of programs to help students meet the challenges of college life. Support to students includes advising, counseling, mentoring, tutoring, supplemental instruction, and writing assistance. For a complete list of academic support services, visit the Student Support Services https://www.sulross.edu/section/311/student-support-services. For more information, students are encouraged to contact SSS at (432) 837-9118 or visit Ferguson Hall Room 105. For Blackboard help visit https://www.sulross.edu/bb or call 432-837-8523 (M-F 09:00 am-06:00 pm). You can get The Distance Education Handbook at https://tvpb.sulross.edu/start/index.html

DISTANCE EDUCATION STATEMENT

Students enrolled in distance education courses have equal access to the university's academic support services, such as Smarthinking, library resources, such as online databases, and instructional technology support. For more information about accessing these resources, visit the SRSU website. Students should correspond using Sul Ross email accounts and submit online assignments through Blackboard, which requires secure login information to verify students' identities and to protect students' information. The procedures for filing a student complaint are included in the student handbook. Students enrolled in distance education courses at Sul Ross are expected to adhere to all policies pertaining to academic honesty and appropriate student conduct, as described in the student handbook. Students in web-based courses must maintain appropriate equipment and software, according to the needs and requirements of the course, as outlined on the SRSU website. Directions for filing a student complaint are located in the student handbook.

DIVERSITY STATEMENT:

"I aim to create a learning environment for my students that supports a diversity of thoughts, perspectives and experiences, and honors your identities (including race, gender, class, sexuality, religion, ability, socioeconomic class, age, nationality, etc.). I also understand that the crisis of COVID, economic disparity, and health concerns, or even unexpected life events could impact the conditions necessary for you to succeed. My commitment is to be there for you and help you meet the learning objectives of this course. I do this to demonstrate my commitment to you and to the mission of Sul Ross State University to create an inclusive environment and care for the whole student as part of the Sul Ross Familia. If you feel like your performance in the class is being impacted by your experiences outside of class, please don't hesitate to come and talk with me. I want to be a resource for you."

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AMERICANS WITH DISABILITIES ACT AS AMENDED (ADAAA)

SRSU Disability Services. Sul Ross State University (SRSU) is committed to equal access in compliance with Americans with Disabilities Act of 1973. It is SRSU policy to provide reasonable accommodations to students with documented disabilities. It is the student's responsibility to initiate a request each semester for each class. Students seeking accessibility/accommodations services must contact Rebecca Greathouse Wren, LPC-S, SRSU's Accessibility Services Coordinator at 432-837-8203 (please leave a message and we'll get back to you as soon as we can during working hours), or email rebecca.wren@sulross.edu. Our office is located on the first floor of Ferguson Hall (Suite 112), and our mailing address is P.O. Box C-122, SUI Ross State University, Alpine. Texas, 79832.

LATE ASSIGNMENT SUBMISSION POLICY:

Students are supposed to finish their coursework on time and assignments must be submitted before the deadlines. Students are expected to show appropriate cause for missing or delaying major assignments or examinations. Late assignments will not be accepted unless there is an excuse that is recognized by the university.

GRADING:

There will be 1 midterm exam and weekly quizzes throughout the semester, with questions drawn from the readings and the supplemental materials, will be posted on the Blackboard. The midterm exam will be worth 200 points. There will be no makeup exam. Every week there will be a quiz for the related chapter(s). Each quiz will worth 15 points. The total grade will be 210 for all quizzes. Weekly reaction papers will be 15 points each. The total grade for papers will be 210. Your final paper will worth 400 points.

Midterm Exam	**200 pts**
Weekly Quizzes	**210 pts (14 quizzes, 15 points each)**
Reaction papers	**210 pts (14 papers, 15 points each)**
Final Paper	**400 pts**
Total	**1020 pts**

Scale:

A   1020-920   B   919-819   C   818-718   D 717-617   F 617 & below

ACADEMIC CALENDAR

W	DATES	TOPICS	READINGS
1	Aug.22-27	Introduction of Syllabus and course requirements **Understanding the Architecture of Internet and Basic Concepts of Computer and Network**	- Course syllabus (blackboard) -University of Notre Dame (n.d.) *Introducing Basic Network Concepts.* - Shuler, R. (2002). How Does the Internet Work? Bandler and Merzon Chapter3 - Additional Readings on Blackboard QUIZ 1 PAPER1
2	Aug.29-Sept.3	**Definition and Types of Cybercrime-1**	- ITU (2012) Understanding cybercrime: Phenomena, challenges and legal response pg: 11-42 -UNODC. (2013). Draft Comprehensive Study on Cybercrime (pp. 11-22). - ITU (2018) Global Cybersecurity Index (GCI) - Additional Readings on Blackboard QUIZ 2 PAPER2
3	Sept-5-10	**Types of Cybercrime-2 and Offenders**	Bandler and Merzon Chapter2 QUIZ 3 PAPER3
4	**Sept-12-17**	**Cyber Jurisdiction** *RESEARCH TOPIC & INTRO DUE DATE*	- Grimmelmann, J.(2019). Internet Law: Cases & Problems. Pg. 53-70. -Brenner, S.W and Koops, B.J. (2004). Approaches to

			Cybercrime Jurisdiction. -Moore, E.S. (2002). Cyber Jurisdiction. - Additional Readings on Blackboard QUIZ 4 PAPER4
5	Sept-19- 23	**Cybercrime Investigation**	- Harkin, D. Whelan, C. & Chang, L. (2018). *The challenges facing specialist police cyber-crime units: an empirical analysis* Bandler and Merzon Chapter 7 - Additional Readings on Blackboard QUIZ 5 PAPER5
6	Sept.26- Oct 1	**Laws and Cyber Crime: Constitution, Institutions, and Criminal Laws**	-1st, 4th, 5th, Amendments Bandler and Merzon Chapters 5-6 QUIZ 6 PAPER6
7	Oct.3-8	**Issues in Digital Forensics**	- ENFSI (2015). Best practice manual for the forensic examination of digital technology - Kizza, J.M. (2017). Computer Crime Investigations and Ethics In: *Ethical and Social Issues in the Information Age*, 6th edition. Springer; Chapter 17 -DeNardis, L. (2010). The Emerging Field of Internet Governance - Additional Readings on Blackboard QUIZ 7 PAPER 7

8	**Oct. 10-15**	**Cybercrime Investigations and State Actors** **ANNOTATED BIBLIOGRAPHY OF FINAL PAPER**	Bandler and Merzon Chapters 8 QUIZ 8 PAPER 8
9	Oct. 17-22	**Cybercrime, Individual Rights, and Democracy**	- Chesney, B. & Citron, D. (2019). Deep Fakes: A Looming Challenge for Privacy, Democracy, and National Security. -Drazdova, E.A. Civil Liberties and Security in Cyberspace -Koren, N.E. & Haber, E. (2016). Governance by Proxy: Cyber Challenges to Civil Liberties. - Lion, G., Kropotov, V., and Yarochin, F. (2018). The Fake News Machine How Propagandists Abuse the Internet and Manipulate the Public. - Additional Readings on Blackboard QUIZ 9 PAPER 9
10	Oct.24-29	**International cooperation for cybercrime enforcement**	- Budapest Convention on Cybercrime - Kharbanda, V. (2019).International Cooperation in Cybercrime: The Budapest Convention Dominioni, S. (2018). Multilateral tracks to tackling cybercrime: an overview. Clough, J.(2014). A World Of Difference: The Budapest Convention On Cybercrime And The

			Challenges Of Harmonisation
			- Additional Readings on Blackboard QUIZ 10 PAPER10
11	Oct.31-Nov. 5	**Key Areas and Investigation Methods of Cybercrime**	Bandler and Merzon Chapters 10-11 QUIZ 11 PAPER11
12	Nov.7-12	**Law Enforcement and Cybercrime Investigation**	Bandler and Merzon Chapters 13-15 QUIZ 12 PAPER12
13	Nov.14-19	**Law Enforcement and Cybercrime Investigation-2**	Bandler and Merzon Chapters 16-17 QUIZ 13 PAPER13
14	Nov. 21-26	**Criminal and Civil Litigations** **THANKSGIVING HOLIDAY**	Bandler and Merzon Chapters 18-19 QUIZ 14 PAPER14
15	Nov. 28- Dec. 1	***FINAL PAPER SUBMISSION DUE DATE***	

END OF COURSE EVALUATIONS:

 Student evaluations of faculty are administered online at the end of each term/session for all courses with five or more students. Students will receive an email containing a link to a survey for each course in which they are enrolled. All responses are anonymous.