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| Part 1 - Computer Crime | | |
| Lesson 1 | Topic | Class introductions, class overview, review of syllabus and class schedule |
| | Lecture | |
| | Reading | Chapter 1- Introduction to Computer Crime |
| | Reading | Article - "Why Phishing Works" http://www.eecs.berkeley.edu/~tygar/papers/Phishing/why_phishing_works.pdf |
| | Reading | "Cyberstalking: Dangers on the Information Superhighway" http://www.victimsofcrime.org/docs/src/cyberstalking---dangers-on-the-information-superhighway.pdf |
| | Reading | https://www.justice.gov/criminal-fraud/identity-theft/identity-theft-and-identity-fraud |
| | Video | "Everyday cybercrime -- and what you can do about it" https://www.ted.com/talks/james_lyne_everyday_cybercrime_and_what_you_can_do_about_it?language=en |
| | Assignment | Discussion Board Introductions |
| Lesson 2 | Reading | Chapter 2 - A History of Computer Crime in America |
| | Lecture | |
| | Reading | "Thieves in the Night" http://www.economist.com/news/britain/21636785-growth-general-wickedness-online-testing-police-thieves-night?zid=291&ah=906e69ad01d2ee51960100b7fa502595 |
| | Reading | "Timeline: The U.S. Government and Cybersecurity" http://www.washingtonpost.com/wp-dyn/articles/A50606-2002Jun26.html |
| | Reading | "2015 Cost of Data Breach Study: United States" http://www.psfoa.org/meetinghandouts/2015_06_Ponemon-Cost-of-a-Data-Breach-Report.pdf |

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| | Video | "Ransomware attack takes down LA hospital for hours" https://www.youtube.com/watch?v=X08wgodFgXw |
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| Lesson 3 | Lecture | |
| | Reading | Chapter 3 - United States Computer Laws Pt. 1 |
| | Reading | "Prosecuting Computer Crimes" https://www.justice.gov/sites/default/files/criminal-ccips/legacy/2015/01/14/ccmanual.pdf |
| | Reading | "Cybercrime: Conceptual Issues for Congress and U.S. Law Enforcement" https://www.fas.org/sgp/crs/misc/R42547.pdf |
| | Reading | "Cybercrime: An Overview of the Federal Computer Fraud and Abuse Statute and Related Federal Criminal Laws" https://www.fas.org/sgp/crs/misc/97-1025.pdf |
| | Reading | "Legal Process Guidelines - U.S. Law Enforcement" http://www.apple.com/privacy/docs/legal-process-guidelines-us.pdf |
| Lesson 4 | Lecture | |
| | Reading | Chapter 4 - United States Computer Laws Pt. 2 |
| | Reading | "Who's Responsible? - Computer Crime Laws" http://www.pbs.org/wgbh/pages/frontline/shows/hackers/blame/crimelaws.html |
| | Reading | "Ethical Hacking: Is It Important?" http://cyber.laws.com/ethical-hacking |
| | Reading | "The Need for Specific Penalties for Hacking in Criminal Law" http://www.hindawi.com/journals/tswj/2014/736738/ |
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| Lesson 5 | Lecture | |
| | Reading | Chapter 5 - Techniques and Resources for Computer Crime |

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| | Reading | "Counterexploitation" http://www.cexx.org |
| | Reading | "Fundamentals of Computer and Internet Fraud" https://www.acfe.com/uploadedFiles/Shared_Content/Products/Self-Study_CPE/fundamentals-of-computer-and-internet-fraud-2011-chapter-excerpt.pdf |
| | Reading | "Identity Theft: Assessing Offenders' Strategies and Perceptions of Risk" https://www.ncjrs.gov/pdffiles1/nij/grants/219122.pdf |
| | Reading | "The Legal Status of Spyware" http://www.fclj.org/wp-content/uploads/2013/01/11-GarrieFINAL.pdf |
| | Video | "Digital Millennium Copyright Act" https://www.youtube.com/watch?v=5Q7y-3sVg3Q |
| Lesson 6 | Lecture | |
| | Reading | Chapter 6 - Organized Crime and Cyber Terrorism |
| | Reading | "Organized Crime Hackers Are The True Threat To American Infrastructure" http://www.businessinsider.com/organized-crime-hackers-are-the-true-threat-to-american-infrastructure-2013-3 |
| | Reading | "Cyberterrorism How Real Is the Threat?" http://www.usip.org/sites/default/files/sr119.pdf |
| | Video | "Sony Hacking Scandal - Crime Of The Year" https://www.youtube.com/watch?v=QIKNoZu-UKA |
| | Video | "How Hackers Changed the World : We Are Legion - Full Documentary" https://www.youtube.com/watch?v=Hj-9P2mkOdQ |
| | Video | "How to steal 60 million dollars in 60 seconds: lessons from cybercriminals" https://www.youtube.com/watch?v=gQ7-3lmoKH8 |
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| Part 2 - Computer Forensics | | |

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| Lesson 7 | Lecture | |
| | Reading | Chapter 7 - Observing, Collecting, Documenting, and Storing Electronic Evidence |
| | Reading | "Computer Forensics US-CERT" https://www.us-cert.gov/sites/default/files/publications/forensics.pdf |
| | Reading | "Recovering and Examining Computer Forensic Evidence" https://www.fbi.gov/about-us/lab/forensic-science-communications/fsc/oct2000/index.htm/computer.htm |
| | Reading | "Technologies based on Cloud Computing Technology" http://onlinepresent.org/proceedings/vol82_2015/1.pdf |
| | Reading | "Cell Phone Forensics Can Play a Key Role in Gathering Intelligence" https://www.ncjrs.gov/pdffiles1/nij/248771.pdf |
| | Video | "Digital Detectives (2011) - Documentary on Computer Forensics in the DoD" https://www.youtube.com/watch?v=hw0WH3Nv8n4 |
| Lesson 8 | Lecture | |
| | Reading | Chapter 8 - Collecting Evidence from Hardware |
| | Reading | "Creating a Forensic Computer System: Basic Hardware and Software Specifications" http://www.search.org/files/pdf/CreatingForensicComputerSystem.pdf |
| | Reading | "21 Popular Computer Forensics Tools" http://resources.infosecinstitute.com/computer-forensics-tools/ |
| | Reading | "Building a Low Cost Forensics Workstation" http://www.sans.org/reading-room/whitepapers/incident/building-cost-forensics-workstation-895 |
| | Video | "Computer Basics: Hardware" https://www.youtube.com/watch?v=ctAVC2JwEwI&list=PLvRV94E4FxubFJIQyZqbaxPngolIXtZkw |
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| Part 3 - Computer Crime and Individuals | | |
| Lesson 9 | Lecture | |
| | Reading | Chapter 14 - Protecting Children on the Internet |
| | Reading | "Is the Internet hurting children?" http://www.cnn.com/2012/05/21/opinion/clinton-steyer-internet-kids/ |
| | Reading | "Online "Predators" and Their Victims" http://www.apa.org/pubs/journals/releases/amp-632111.pdf |
| | Website | "Child Predators - The Online Threat Continues to Grow" https://www.fbi.gov/news/stories/2011/may/predators_051711 |
| | Reading | "Online Sexual Exploitation Of Children" http://www.nga.org/files/live/sites/NGA/files/pdf/0703ONLINECHILD.PDF |
| | Video | "#CyberTalk: Parenting in the Digital Age" https://www.youtube.com/watch?v=ZkqRu3xCyIY |
| Lesson 10 | Lecture | |
| | Reading | Chapter 15 - How to Protect Your Identity on the Internet |
| | Website | "How Can I Protect Myself from Identity Theft Online?" http://www.webroot.com/us/en/home/resources/tips/getting-started/beginners-how-can-i-protect-myself-from-identity-theft-online |
| | Reading | "9 Things You Absolutely Must Do to Keep Your Online Identity Secure" http://gizmodo.com/5932663/9-things-you-absolutely-must-do-to-keep-your-online-identity-secure |
| | Reading | "Identity Theft, Social Security Numbers, and the Web" http://mail.berghel.net/col-edit/digital_village/feb-00/dv_2-00.pdf |
| | Video | "The identity theft crisis in America" https://www.youtube.com/watch?v=ScAO5P9RGBg |

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| Lesson 11 | Lecture | |
| | Reading | Chapter 16 - Harassment and Stalking via the Computer |
| | Reading | "How The Law Is Standing Up To Cyberstalking" http://www.newsweek.com/2014/08/22/how-law-standing-cyberstalking-264251.html |
| | Website | "The Unbearable Unawareness of Cyber-Harassment" http://www.huffingtonpost.com/bennet-kelley/the-unbearable-unawarenes_b_434484.html |
| | Website | "The Use of Technology to Stalk" https://victimsofcrime.org/our-programs/stalking-resource-center/stalking-information/the-use-of-technology-to-stalk |
| | Video | "Man's Ex Goes On Cyberstalking Rampage After Breakup" http://abcnews.go.com/2020/video/2020-mans-cyberstalking-rampage-breakup-28638438 |
| Lesson 12 | Lecture | |
| | Reading | Chapter 17 - Hacker Techniques |
| | Website | "7 sneak attacks used by today's most devious hackers" http://www.infoworld.com/article/2610239/malware/7-sneak-attacks-used-by-today-s-most-deviuous-hackers.html |
| | Reading | "On the Anatomy of Human Hacking" http://www.tandfonline.com/doi/pdf/10.1080/10658980701747237 |
| | Video | "How Cyber Attacks Threaten To Destroy Our Infrastructure" https://www.youtube.com/watch?v=KK_M-BelGGQ |
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| Part 4 - Techniques | | |
| Lesson 13 | Lecture | |
| | Reading | Chapter 18 - How Cyber Criminals Communicate |

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| | Reading | "Past, Present, And Future Methods Of Cryptography And Data Encryption" http://www.eng.utah.edu/~nmcdonal/Tutorials/EncryptionResearchReview.pdf |
| | Website | "Hackint" https://hackint.org |
| | Video | "Use VPN! Former 'Most Wanted Hacker' Mitnick talks Snowden, NSA, and privacy" https://www.rt.com/op-edge/kevin-mitnick-vpn-network-775/ |
| | Website | "Inside Anonymous, Members Find Shelter In A Collective Voice" http://www.huffingtonpost.com/2011/07/28/anonymous-hackers_n_909235.html |
| Lesson 14 | Lecture | |
| | Reading | "Common Vulnerabilities In Critical Infrastructure Control Systems" http://citeseerx.ist.psu.edu/viewdoc/download?doi=10.1.1.172.1908&rep=rep1&type=pdf |
| | Reading | "Hacking Critical Infrastructure is Accelerating and More Destructive" http://www.govtech.com/blogs/lohrmann-on-cybersecurity/Hacking-Critical-Infrastructure-is-Accelerating-and-More-Destructive.html |
| | Reading | "Hacking Critical Infrastructure: A How-To Guide" http://www.defenseone.com/technology/2015/07/hack-critical-infrastructure/118756/ |
| | Reading | "Destructive hacking attempts target critical infrastructure in Americas -survey" http://www.reuters.com/article/us-cybersecurity-americas-idUSKBN0MY06Z20150408 |
| | Reading | "The SCADA challenge: securing critical infrastructure" http://ac.els-cdn.com/S1353485809700789/1-s2.0-S1353485809700789-main.pdf?_tid=d4120204-e618-11e5-96f1-00000aab0f27&acdnat=1457543181_8328344bf5953a469d54bfca0861424a |
| | Website | "Malicious Control System Cyber Security Attack Case Study– Maroochy Water Services, Australia" http://csrc.nist.gov/groups/SMA/fisma/ics/documents/Maroochy-Water-Services-Case-Study_briefing.pdf |
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| Lesson 15 | Lecture | |
| | Reading | "Cybersecurity Innovation: Securing your Future" https://www.dhs.gov/science-and-technology/cybersecurity-innovation-securing-your-future |
| | Reading | "The Future of Crime: 8 Cyber-Crimes to Expect in Next 20 Years" http://www.foxbusiness.com/features/2014/05/14/future-crime-8-cyber-crimes-to-expect-in-next-20-years.html |
| | Reading | "8 Terrifying Cybercrimes of 2025" http://www.techradar.com/us/news/world-of-tech/future-tech/8-terrifying-cybercrimes-of-2025-1171335 |
| | Reading | "The Dark Side of Technology – the evolution of cyber crime" https://www.google.com/url?sa=t&rct=j&q=&esrc=s&source=web&cd=32&ved=0ahUKEwjUytzlk67LAhUT8mMKHfZDAT04HhAWCB0wAQ&url=http%3A%2F%2Fxlcatlin.com%2F~%2Fmedia%2F901ba2df00541a6a18400f6e93f1ccc.pdf&usg=AFQjCNHaAYbU5chLIUPInLadl8qF7EgJFw&bvm=bv.116274245,d.cGc |
| | Video | "Marc Goodman: A vision of crimes in the future" https://www.ted.com/talks/marc_goodman_a_vision_of_crimes_in_the_future?language=en |
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