

**San José State University**  
**Department of Justice Studies**  
**JS 196, Introduction to Cybercrime, Spring, 2016**

**Course and Contact Information**

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<b>Office Hours:</b>	Monday & Wednesday 2:00pm to 4:00pm
<b>Class Days/Time:</b>	Monday & Wednesday 12:00pm to 1:15pm
<b>Classroom:</b>	MacQuarrie Hall 520

**Justice Studies Department Reading and Writing Philosophy**

The Department of Justice Studies is committed to scholarly excellence. Therefore, the Department promotes academic, critical, and creative engagement with language (i.e., reading and writing) throughout its curriculum. A sustained and intensive exploration of language prepares students to think critically and to act meaningfully in interrelated areas of their lives—personal, professional, economic, social, political, ethical, and cultural. Graduates of the Department of Justice Studies leave San José State University prepared to enter a range of careers and for advanced study in a variety of fields; they are prepared to more effectively identify and ameliorate injustice in their personal, professional and civic lives. Indeed, the impact of literacy is evident not only within the span of a specific course, semester, or academic program but also over the span of a lifetime.

**Catalog Description**

Introduces students to the growing legal, technical, and social issues surrounding crimes committed in cyberspace or assisted by computers. Discusses the nature of cybercrime from an international perspective and how the borderless nature of cybercrime impacts regulation and enforcement.

**Course Description**

This course explores how an interconnected world has modified how existing criminal activity is conducted and how new criminal opportunities have been created. Students will examine the history and complex nature of computer-related crime and how societies have attempted to respond. Students will discuss the different types of cybercriminals, including motives, rationale, and methods of attack. We will also evaluate various legal and regulatory issues in cyberspace, including surveillance, sting operations, current and proposed legislation, user-reporting initiatives, identity filtering/blocking technologies, vigilante movements, individual rights, and international law enforcement cooperation.

## COURSE LEARNING OUTCOMES

Upon successful completion of this course, students will be able to:

(CLO 1) distinguish between the different types of cybercrimes, including who/what they target, how/where they are conducted, and why they persist.

(CLO 2) describe the impacts of the Internet on the opportunities created for committing traditional crimes (e.g., bullying) and new crimes (e.g., phishing).

(CLO 3) identify the challenges faced nationally and internationally at combating cybercrime and the steps taking by organizations to address these challenges.

(CLO 4) takes steps to increase their own security and privacy when online.

(CLO 5) take what they have learned in class and apply it to current events.

### Required Texts/Readings

#### *Textbook*

Yar, M. (2013). *Cybercrime and Society* (2<sup>nd</sup> Edition). Sage Publications. ISBN13: 978-1-4462-0194-7.

Clough, J. (2015). *Principles of Cybercrime* (2<sup>nd</sup> Edition). Cambridge University Press. ISBN13: 978-1-107698161.

#### *Other Readings*

Additional readings supplied electronically via Canvas.

### Course Requirements and Assignments

*Online Discussion (10%)*: Each week there will be an online discussion, through Canvas, on a key issue or current event related to that week's overall topic. Students will be expected to provide their viewpoint and critically discuss the implications of the issue or event to our understanding of cybercrime and how it is addressed by societies. This assignment will specifically address CLO's 3, 4, and 5.

*Paper #1 –Online Privacy (15%)*: The purpose of this assignment is to provide students with practical experience to explore the concept of personal privacy, or lack thereof, on the Internet. Students will write a short paper (7 pages) on their investigation of two topics. First, students will input their name into a search engine, with minimal other identifying information, and describe whether the data returned was about them, and how they felt about that information being readily accessible. They will describe the age (i.e., how old), personal nature (e.g., address, phone number, banking information), and online profile (e.g., your likes/dislikes, purchases, hobbies) it presented about them. Second, students will use any cyber methods they can devise to find information on the course instructor. Students will be required to record the steps they took (e.g., search terms) to acquire the information and what information they obtained, including where it was found. Students will then describe this process and reflect on the steps others may take to find out personal information about them. This assignment will specifically address CLO 4.

*Paper #2 –Combating Cybercrime Internationally (15%)*: The purpose of this assignment is for students to explore the legal issues regarding how governments and social control agencies can police a virtual environment without physical boundaries and borders. Select a type of cybercrime discussed in the course and determine how partnerships/cooperation/resource-sharing could, realistically, be improved between them and the United States. Students will write a short paper (7 pages) on the laws, if any, that exist in each country and what each could learn from the other. Discussion should include how privacy and rights can be balanced with security. This assignment will specifically address CLO's 3 and 4.

*Midterm and Final Examination (60%):* Students will be administered a midterm and final examination, each worth 30% of their final grade. Each exam is closed book and will cover material from lectures (including all media presented) and assigned readings. The midterm will be held during regularly scheduled class time while the final will be held during the final exam period. Each exam will be non-cumulative and comprised of multiple choice and short answer questions. These examinations will specifically address CLO's 1, 2, and 3.

### **Grading Policy**

In order to receive a grade for this course, all course requirements must be met and every assignment must be completed. Failure to complete any one assignment may result in a failing grade for the course. Deadlines are firm. Late assignments/papers will not be accepted for full credit (without extenuating personal circumstances due to own or family health; or other university recognized excuse). In such cases, appropriate documentation must be shown to the instructor. **Late assignments/papers will lose 10% for every calendar day that they are late**, including weekend days.

97-100%	A+	92-96%	A	87-91%	A minus
83-86%	B+	79-82%	B	75-78%	B minus
70-74%	C+	65-69%	C	60-64%	C minus
57-59%	D+	53-56%	D	50-52%	D minus
0-49%	F				

The final course grade will be based on a 100-point scale. Since the grade is based on mastery of the material, it is theoretically possible for everyone to earn an A.

Note that “All students have the right, within a reasonable time, to know their academic scores, to review their grade-dependent work, and to be provided with explanations for the determination of their course grades.” See [University Policy F13-1](http://www.sjsu.edu/senate/docs/F13-1.pdf) at <http://www.sjsu.edu/senate/docs/F13-1.pdf> for more details.

### **Library Liaison**

Silke Higgins, [silke.higgins@sjsu.edu](mailto:silke.higgins@sjsu.edu), (408) 808-2118, <http://libguides.sjsu.edu/justicestudies>

## **University Policies**

### **General Expectations, Rights and Responsibilities of the Student**

As members of the academic community, students accept both the rights and responsibilities incumbent upon all members of the institution. Students are encouraged to familiarize themselves with SJSU's policies and practices pertaining to the procedures to follow if and when questions or concerns about a class arises. See [University Policy S90-5](http://www.sjsu.edu/senate/docs/S90-5.pdf) at <http://www.sjsu.edu/senate/docs/S90-5.pdf>. More detailed information on a variety of related topics is available in the [SJSU catalog](http://info.sjsu.edu/web-dbgen/narr/catalog/rec-12234.12506.html), at <http://info.sjsu.edu/web-dbgen/narr/catalog/rec-12234.12506.html>. In general, it is recommended that students begin by seeking clarification or discussing concerns with their instructor. If such conversation is not possible, or if it does not serve to address the issue, it is recommended that the student contact the Department Chair as a next step.

### **Dropping and Adding**

Students are responsible for understanding the policies and procedures about add/drop, grade forgiveness, etc. Refer to the current semester's [Catalog Policies](http://info.sjsu.edu/static/catalog/policies.html) section at <http://info.sjsu.edu/static/catalog/policies.html>. Add/drop deadlines can be found on the current academic year calendars document on the [Academic Calendars webpage](http://www.sjsu.edu/provost/services/academic_calendars/) at [http://www.sjsu.edu/provost/services/academic\\_calendars/](http://www.sjsu.edu/provost/services/academic_calendars/). The [Late Drop Policy](#) is available at

<http://www.sjsu.edu/aars/policies/latedrops/policy/>. Students should be aware of the current deadlines and penalties for dropping classes.

Information about the latest changes and news is available at the [Advising Hub](http://www.sjsu.edu/advising/) at <http://www.sjsu.edu/advising/>.

### **Consent for Recording of Class and Public Sharing of Instructor Material**

[University Policy S12-7](http://www.sjsu.edu/senate/docs/S12-7.pdf), <http://www.sjsu.edu/senate/docs/S12-7.pdf>, requires students to obtain instructor's permission to record the course and the following items to be included in the syllabus:

- “Common courtesy and professional behavior dictate that you notify someone when you are recording him/her. You must obtain the instructor's permission to make audio or video recordings in this class. Such permission allows the recordings to be used for your private, study purposes only. The recordings are the intellectual property of the instructor; you have not been given any rights to reproduce or distribute the material.”
  - It is suggested that the greensheet include the instructor's process for granting permission, whether in writing or orally and whether for the whole semester or on a class by class basis.
  - In classes where active participation of students or guests may be on the recording, permission of those students or guests should be obtained as well.
- “Course material developed by the instructor is the intellectual property of the instructor and cannot be shared publicly without his/her approval. You may not publicly share or upload instructor generated material for this course such as exam questions, lecture notes, or homework solutions without instructor consent.”

### **Academic integrity**

Your commitment, as a student, to learning is evidenced by your enrollment at San Jose State University. The [University Academic Integrity Policy S07-2](http://www.sjsu.edu/senate/docs/S07-2.pdf) at <http://www.sjsu.edu/senate/docs/S07-2.pdf> requires you to be honest in all your academic course work. Faculty members are required to report all infractions to the office of Student Conduct and Ethical Development. The [Student Conduct and Ethical Development website](http://www.sjsu.edu/studentconduct/) is available at <http://www.sjsu.edu/studentconduct/>.

### **Campus Policy in Compliance with the American Disabilities Act**

If you need course adaptations or accommodations because of a disability, or if you need to make special arrangements in case the building must be evacuated, please make an appointment with me as soon as possible, or see me during office hours. [Presidential Directive 97-03](http://www.sjsu.edu/president/docs/directives/PD_1997-03.pdf) at [http://www.sjsu.edu/president/docs/directives/PD\\_1997-03.pdf](http://www.sjsu.edu/president/docs/directives/PD_1997-03.pdf) requires that students with disabilities requesting accommodations must register with the [Accessible Education Center](http://www.sjsu.edu/aec) (AEC) at <http://www.sjsu.edu/aec> to establish a record of their disability.

### **Accommodation to Students' Religious Holidays**

San José State University shall provide accommodation on any graded class work or activities for students wishing to observe religious holidays when such observances require students to be absent from class. It is the responsibility of the student to inform the instructor, in writing, about such holidays before the add deadline at the start of each semester. If such holidays occur before the add deadline, the student must notify the instructor, in writing, at least three days before the date that he/she will be absent. It is the responsibility of the instructor to make every reasonable effort to honor the student request without penalty, and of the student to make up the work missed. See [University Policy S14-7](http://www.sjsu.edu/senate/docs/S14-7.pdf) at <http://www.sjsu.edu/senate/docs/S14-7.pdf>.

## **Student Technology Resources**

Computer labs for student use are available in the [Academic Success Center](http://www.sjsu.edu/at/asc/) at <http://www.sjsu.edu/at/asc/> located on the 1st floor of Clark Hall and in the Associated Students Lab on the 2nd floor of the Student Union. Additional computer labs may be available in your department/college. Computers are also available in the Martin Luther King Library. A wide variety of audio-visual equipment is available for student checkout from Media Services located in IRC 112. These items include DV and HD digital camcorders; digital still cameras; video, slide and overhead projectors; DVD, CD, and audiotape players; sound systems, wireless microphones, projection screens and monitors.

## **SJSU Peer Connections**

Peer Connections, a campus-wide resource for mentoring and tutoring, strives to inspire students to develop their potential as independent learners while they learn to successfully navigate through their university experience. You are encouraged to take advantage of their services which include course-content based tutoring, enhanced study and time management skills, more effective critical thinking strategies, decision making and problem-solving abilities, and campus resource referrals.

In addition to offering small group, individual, and drop-in tutoring for a number of undergraduate courses, consultation with mentors is available on a drop-in or by appointment basis. Workshops are offered on a wide variety of topics including preparing for the Writing Skills Test (WST), improving your learning and memory, alleviating procrastination, surviving your first semester at SJSU, and other related topics. A computer lab and study space are also available for student use in Room 600 of Student Services Center (SSC).

Peer Connections is located in three locations: SSC, Room 600 (10th Street Garage on the corner of 10<sup>th</sup> and San Fernando Street), at the 1st floor entrance of Clark Hall, and in the Living Learning Center (LLC) in Campus Village Housing Building B. Visit [Peer Connections website](http://peerconnections.sjsu.edu) at <http://peerconnections.sjsu.edu> for more information.

## **SJSU Writing Center**

The SJSU Writing Center is located in Clark Hall, Suite 126. All Writing Specialists have gone through a rigorous hiring process, and they are well trained to assist all students at all levels within all disciplines to become better writers. In addition to one-on-one tutoring services, the Writing Center also offers workshops every semester on a variety of writing topics. To make an appointment or to refer to the numerous online resources offered through the Writing Center, visit the [Writing Center website](http://www.sjsu.edu/writingcenter) at <http://www.sjsu.edu/writingcenter>. For additional resources and updated information, follow the Writing Center on Twitter and become a fan of the SJSU Writing Center on Facebook.

## **SJSU Counseling Services**

The SJSU Counseling Services is located on the corner of 7<sup>th</sup> Street and San Fernando Street, in Room 201, Administration Building. Professional psychologists, social workers, and counselors are available to provide consultations on issues of student mental health, campus climate or psychological and academic issues on an individual, couple, or group basis. To schedule an appointment or learn more information, visit [Counseling Services website](http://www.sjsu.edu/counseling) at <http://www.sjsu.edu/counseling>.

# INTRODUCTION TO CYBERCRIME

## SPRING 2016, COURSE SCHEDULE

This course schedule is subject to change with fair notice, at the instructor's discretion. All reading assignments listed should be completed prior to class on that date. Additional readings may be assigned.

Week	Date	Topics	Readings
1	02/01/16 & 02/03/16	<b>Introduction</b> -Computer and Internet Basics -What is Cybercrime? -Cybercrime in Research <i>Guest Lecturer</i> <i>Alissa Luddy (SJSU)</i>	<i>Cybercrime and Society (Yar)</i> Chapter 1 (Cybercrime and the Internet) <i>Articles</i> How does the Internet work (Strickland) How Firewalls Work (Tyson) What is an 'IP Address' (Gil) The Current State of Cybercrime Scholarship (Holt & Bossler) The Internet as a Conduit for Criminal Activity (Wall)
2	02/08/16 & 02/10/16	<b>Computer Crimes</b> -Viruses, Worms, Malware, Rootkits, Keyloggers, Ransomware -International Espionage	<i>Principles of Cybercrime (Clough)</i> Chapter 4 (Modification or Impairment of Data) <i>Articles</i> Hackers Manifesto (The Mentor) Koobface: Inside a Crimeware Network (Villeneuve)
3	02/15/16 & 02/17/16	<b>Hacking</b> -Hacker culture -Legal issues -Hacking as a service (DDos & Botnets)	<i>Cybercrime and Society (Yar)</i> Chapter 2 (Hackers, Crackers, and Viral Coders) <i>Principles of Cybercrime (Clough)</i> Chapter 1 (Cybercrime) Chapter 2 (Computer as Target)
4	02/22/16 & 02/24/16	<b>Copyright Infringement</b> -Who Owns the Data on the Internet? -Piracy <i>Guest Lecturer</i> <i>John Penn (Adobe)</i>	<i>Cybercrime and Society (Yar)</i> Chapter 4 (Virtual Pirates) <i>Principles of Cybercrime (Clough)</i> Chapter 8 (Criminal Copyright Infringement)
5	02/29/16 & 03/02/16	<b>Personal Security</b> -Privacy -Surveillance -Personal safety -The Secret War	<i>Cybercrime and Society (Yar)</i> Chapter 10 (Cybercrimes and Cyberliberties) <i>Articles</i> The Secret War (Popular Mechanics) The Online Threat (Hersh)
6	03/07/16 & 03/09/16	<b>Your Online ID</b> -Social networks & search engines -ID Theft & Fraud <i>Guest Lecturer</i> <i>Trey Cawley (Digital Media Laboratory)</i>	<i>Cybercrime and Society (Yar)</i> Chapter 5 (Cyber-Frauds, Scams, and Cons) <i>Principles of Cybercrime (Clough)</i> Chapter 7 (Fraud) <b>Assignment Due: Paper #1: Online Privacy</b>
7	03/14/16 & 03/16/16	<b>Email Spam</b> -Phishing & Pharming -Legal issues -Legislation efforts	<i>Principles of Cybercrime (Clough)</i> Chapter 9 ('Spam')

Week	Date	Topics	Readings
8	03/21/16 & 03/23/16	<b>MIDTERM EXAMINATION</b>	<b>NO READINGS</b>
9	04/04/16 & 04/06/16	<b>Deep Web</b> -TOR -Digital currency -The Dark Web <i>Guest Lecturer</i> <i>Becky Pinkard (Digital Shadows)</i>	<i>Articles</i> Tor Project: Overview (TOR) The Tor System (Philby) Why Tor Users Should Watch Out (Meyer) How Bitcoin Works (Forbes) Exploring the Deep Web (Trend Micro) What is the Dark Web (Egan)
10	04/11/16 & 04/13/16	<b>Organized Crime</b> -Carding, -Money laundering -Drugs & weapons <i>Guest Lecturer</i> <i>Ann Soliman (SJSU)</i>	<i>Articles</i> The Great Cyberheist (Verini) A Hacker's Race to Build the Amazon.com of Stolen Credit Cards (WeirderWeb) Carders.cc Hacked (Reusablesec)
11	04/18/16 & 04/20/16	<b>Personal Cyber-Crimes</b> -Stalking -Bullying <i>Guest Lecturer</i> <i>Dan Schott (Visa)</i>	<i>Cybercrime and Society (Yar)</i> Chapter 8 (The Victimization of Individuals Online) <i>Principles of Cybercrime (Clough)</i> Chapter 12 (Harassment) Chapter 13 (Voyeurism)
12	04/25/16 & 04/27/16	<b>Terrorism &amp; Extremism</b> -White Supremacists -Methods of Distribution <i>Guest Lecturer</i> <i>Ryan Scrivens (International Cyber-crime Research Centre)</i>	<i>Cybercrime and Society (Yar)</i> Chapter 3 (Political Hacking) <i>Articles</i> Terrorism and the Internet (Conway) Exploring Stormfront (Bowman-Grieve) How Modern Terrorism Uses the Internet (Weimann) Terror on the Internet (Tsfati & Weimann)
13	05/02/16 & 05/04/16	<b>Sex Crimes</b> -Trafficking -Child sexual exploitation -Sexting -Revenge pornography	<i>Cybercrime and Society (Yar)</i> Chapter 7 (Child Pornography and Child Sex Abuse Imagery) <i>Principles of Cybercrime (Clough)</i> Chapter 10 (Child Pornography) Chapter 11 (Grooming)
14	05/09/16 & 05/11/16	<b>Cybercrime and the Law</b> -Patriot Act -International Challenges -Jurisdiction -Joint Operations <i>Guest Lecturer</i> <i>Richard Frank (International Cyber-crime Research Centre)</i>	<i>Cybercrime and Society (Yar)</i> Chapter 9 (Policing the Internet) <i>Principles of Cybercrime (Clough)</i> Chapter 14 (Jurisdiction) Chapter 6 (Interception of Data)  <b>Assignment Due: Paper #2: Combating Cybercrime Internationally</b>
15	05/16/16	<b>Review Class</b>	
16	TBD	<b>FINAL EXAMINATION</b>	<b>NO READINGS</b>