

Course Readings

Monday July 4

Lecture 1: Course Overview

Center for the Study of Language and Information (US). Center for the Study of Language and Information and Winograd, T., 1992. *Computers, ethics, and social responsibility*.

Lecture 2: What is information security?

Anderson, R., Security engineering: A guide to building dependable distributed systems. 2001. Chapter 1.

Bishop, M., 2005. Introduction to computer security. Chapter 1

Tuesday July 5

Lecture 1: Software reliability and computer-related risks

Brooks, F.P., 1975. No silver bullet. Software state-of-the-art, pp.14-29. Available from: <http://worrydream.com/refs/Brooks-NoSilverBullet.pdf>

Optional: Nancy Leveson. An Investigation of the Therac-25 Accidents. Available from: <http://sunnyday.mit.edu/papers/therac.pdf>

Optional: J.L. Lyons. ARIANE 5: Flight 501 Failure. Report by the Inquiry Board. 1998 Available from: <http://www.ima.umn.edu/~arnold/disasters/ariane5rep.htm>

Lecture 2: Philosophical Ethics

Immanuel Kant. 1785. Grounding for the Metaphysics of Morals (excerpts).
TRANSITION FROM THE COMMON RATIONAL KNOWLEDGE OF MORALITY
TO THE PHILOSOPHICAL.

John Stuart Mill. 1863. Utilitarianism (excerpts). Chapters 1 and 2.

Wednesday, July 6

Lecture 1: Computing Ethics

Moor, J.H., 1985. What is computer ethics?. Metaphilosophy, 16(4), pp.266-275.

Available from:

https://www.researchgate.net/profile/James_Moor/publication/227591551_What_is_computer_ethics/links/54b1c2ff0cf28ebe92e19025.pdf

Lecture 2: Intellectual Property

Davis, R., Samuelson, P., Kapor, M. and Reichman, J., 1996. A new view of intellectual property and software. *Communications of the ACM*, 39(3), pp.21-30. Available from: <http://people.csail.mit.edu/davis/cacm96.pdf>

What Are Patents, Trademarks, Servicemarks, and Copyrights? Available from: http://www.uspto.gov/patents/resources/general_info_concerning_patents.pdf

Copyright basics. Available from: <http://www.copyright.gov/circs/circ01.pdf>

Thursday, July 7

Lecture 1: Computing and Economics

Hardin, G., 2009. The Tragedy of the Commons*. *Journal of Natural Resources Policy Research*, 1(3), pp.243-253. Available from: <http://are.berkeley.edu/~cmantinori/prclass/Hardin.pdf>

William, A., Mayadas, F. and Vardi, M.Y., 2006. Globalization and offshoring of software: A report of the ACM job migration task force. Retrieved December, 12, p.2006. Executive Summary only. Available from: <http://oldwww.acm.org/globalizationreport/>

Lecture 2: Hacking

Spafford, E.H., 1989. Crisis and aftermath. *Communications of the ACM*, 32(6), pp.678-687.

Stoll, C., 1988. Stalking the wily hacker. *Communications of the ACM*, 31(5), pp.484-497. Available from: <http://vxheaven.org/lib/pdf/Stalking%20the%20Wily%20Hacker.pdf>

Optional: Thompson, K., 1984. Reflections on trusting trust. *Communications of the ACM*, 27(8), pp.761-763. Available from: <https://www.cs.colorado.edu/~jrblack/class/csci6268/s14/p761-thompson.pdf>

Monday July 11

Lecture 1: Policy: Data Breach

Dark, M., 2010. Data Breach Disclosure: A Policy Analysis. *Information Assurance and Security Ethics in Complex Systems: Interdisciplinary Perspectives: Interdisciplinary Perspectives*. Available from: <http://citeseerx.ist.psu.edu/viewdoc/download?doi=10.1.1.176.7577&rep=rep1&type=pdf>

Lecture 2: Monopoly Power

U.S. V. MICROSOFT: COURT'S FINDINGS OF FACT. Available from: <https://www.justice.gov/sites/default/files/atr/legacy/2006/04/11/msjudge.pdf>

Microsoft. Competition in the Software Industry. Available from: <https://cs.stanford.edu/people/eroberts/cs181/projects/microsoft-vs-doj/microcase/msmirror.html>

John Cassidy. The Force of an Idea. New Yorker 12 Jan 1998. Available from:
<https://www.dhushara.com/book/multinet/gates/gates.htm>

Tuesday, July 12

Lecture 2: Internet History and Culture

John Perry Barlow. A Declaration of the Independence of Cyberspace. Available from:
<https://www.eff.org/cyberspace-independence>

Paulina Borsook. Cyberselfish. Mother Jones. July/August 1996. Available from:
<http://www.motherjones.com/politics/1996/07/cyberselfish>

Winner, L., 1997. Cyberlibertarian myths and the prospects for community. ACM Sigcas Computers and Society, 27(3), pp.14-19.

Wednesday, July 13

Lecture 1: Free Speech and the Internet

Handout on the Nuremberg Files

Lecture 2: Privacy

Warren, S.D. and Brandeis, L.D., 1890. The right to privacy. Harvard law review, pp.193-220. Available from:
http://groups.csail.mit.edu/mac/classes/6.805/articles/privacy/Privacy_brand_warr2.html

Thursday July 14

Lecture 1: Digital Divides

Redmond, K., Evans, S. and Sahami, M., 2013, March. A large-scale quantitative study of women in computer science at Stanford University. In Proceeding of the 44th ACM technical symposium on Computer science education (pp. 439-444). ACM.

Lecture 2: Hactivism

Orin Kerr. The Criminal Charges Against Aaron Swartz (Part 1: The Law). January 14, 2013 2:50 am in Computer Crime Law, Computer Fraud and Abuse Act. Available from:
<http://www.volokh.com/2013/01/14/aaron-swartz-charges/>

Orin Kerr. The Criminal Charges Against Aaron Swartz (Part 2: Prosecutorial Discretion) January 16, 2013 11:34 pm in Computer Crime Law, Computer Fraud and Abuse Act. Available from: <http://www.volokh.com/2013/01/16/the-criminal-charges-against-aaron-swartz-part-2-prosecutorial-discretion/>

James Boyle. The Prosecution of Aaron Swartz: A Reply to Orin Kerr . Available from:
http://www.huffingtonpost.com/james-boyle/prosecution-aaron-swartz_b_2508242.html

Optional: REQUIEM FOR A DREAM. Available from:

http://www.newyorker.com/reporting/2013/03/11/130311fa_fact_macfarquhar?currentPage=all