

Instructor: Eric Swedin, Ph.D (with Dr. Ed Harris)
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Office Hours: 12:30-5:30 on Thursdays at Davis.
Other office hours are available by appointment.

Class Description:

This graduate course requires the student to read **three** books and discuss each book in turn with the instructor during individual appointments. The student is responsible for setting up individual appointments with the instructor during the course of the semester. There will be three **separate** appointments.

Books:

You must read three books from the following list:

- James Bamford, *Body of Secrets: Anatomy of the Ultra-Secret National Security Agency* (Doubleday, 2001).
- James Bamford, *The Shadow Factory: The Ultra-Secret NSA from 9/11 to the Eavesdropping on America* (Doubleday, 2008).
- David Brin, *The Transparent Society: Will Technology Force Us to Choose Between Privacy and Freedom?* (Perseus Books, 1999).
- Michael Calce, *Mafiaboy: A Portrait of the Hacker as a Young Man* (Arcade, 2009).
- Phillip Hallam-Baker, *The dotCrime Manifesto: How to Stop Internet Crime* (Addison-Wesley, 2008).
- Ed Skoudis, *Malware: Fighting Malicious Code* (Prentice Hall, 2003).
- Ed Skoudis and Tom Liston, *Counter Hack Reloaded: A Step-by-Step Guide to Computer Attacks and Effective Defenses* (Second edition, Prentice Hall, 2006).
- Emmanuel Goldstein, *The Best of 2600: A Hacker Odyssey* (Wiley, 2008).
- David Rice, *Geekonomics: The Real Cost of Insecure Software* (Addison-Wesley, 2010).
- Bruce Schneier, *Beyond Fear: Thinking Sensibly About Security in an Uncertain World* (Springer, 2006).
- Bruce Schneier, *Schneier on Security* (Wiley, 2008).
- Bruce Schneier, *Secrets & Lies: Digital Security in a Networked World* (2004).
- Simon Singh, *The Code Book: The Science of Secrecy from Ancient Egypt to Quantum Cryptography* (2000).
- Cliff Stoll, *The Cuckoo's Egg: Tracking a Spy Through the Maze of Computer Espionage* (any edition).
- You may also choose any book related to information assurance or information security of your choice, **subject to the instructor's approval**.

Campus Closure:

In the event of an extended campus closure, please look at your Weber State email in order for instructions on how we will continue the class via email and the Blackboard online course system.

Grading Policies:

Grades will be determined on the basis of the instructor's evaluation of how well the student has absorbed the content of the directed readings and has been able to effectively communicate that knowledge.

Students with Disabilities:

Any student requiring accommodations or services due to a disability must contact Services for Students with Disabilities (SSD) in Room 181 of the Student Service Center on the Ogden campus. SSD can also arrange to provide materials (including this syllabus) in alternative formats if necessary.