Administrivia

- Instructor: Antonio R. Nicolosi
  - Office: Babbio 624
  - email: nicolosi@cs.stevens.edu
    (put cs578a and/or soc551 in subject)
  - Office hours: Thursdays, 1:00pm–2:00pm

- Course Assistant: Johann Lau
  - email jla@stevens.edu
  - Office hours: TBA
Required Course Work

● Class attendance

● **Weekly** required readings on-line
  - Note: Read them before class!
  - During first 10–15 minutes of each class, you will answer a short question on the assigned readings

● Week-in-review
  - 10-minute presentation on recent relevant news stories
Group Reading & Term Project

- Small groups (2–3 students)
- Book reading: Deliverables
  - Running “reading log” on Canvas
  - Brief summary (due: March 27)
- Term project: Deliverables
  - Term paper & in-class presentation (last 2 classes)
  - Poster session (pending confirmation)
- See later for sample titles and topics
Work Load Breakdown

- 2.5 hrs/week: Class attendance
- 3.5 hrs/week: Readings
- 3.0 hrs/week: Book reading/team project
## Grading

- **25%**: Course participation, week-in-review & quizzes
  - Worst quiz will be dropped
- **20%**: Book reading
  - Book summaries on Canvas
  - Presentations on Mar 27
- **25%**: Group project
  - Presentations on Apr 24 & May 1
- **30%**: Final exam (May 8)
[This slide intentionally left blank.]
What’s this course about?

Privacy
- What is privacy and why it matters
- Threats to privacy
- Protecting privacy

Technology
- How technology changed the “privacy game”
- How technology can *hurt* privacy
- How technology can *help* privacy
Class Topics

What is privacy and why it matters

- Informational privacy and the “data shadow”
- Privacy as contextual integrity
- The skeptic’s arguments
  - “I’ve got nothing to hide”
  - “Privacy has to die for security to flourish”
  - “You have zero privacy anyway”
  - “Privacy is the price of modern comforts”
- Identity and Anonymity
Class Topics (2)

**Threats to on-line privacy**

- On-line accounts, phishing and ID-theft
- Web browsing, profiling and spyware
- Web searches, web-ads and adware
- E-commerce and e-service personalization
- Privacy and Web 2.0
- Censorship
Class Topics (3)

Technological threats to privacy

- RFID tracking
- GPS/Cellphone tracking
- Privacy in the workplace
- Privacy in healthcare
- Surveillance and privacy in public
Protecting privacy

- Privacy regulations and supervising entities
- Privacy-enhancing technologies
  - P3P and related tools
  - Anonymous remailers, web proxying (TOR)
  - Password hardening
  - Crypto tools (mix-nets, e-cash, credentials)
- Randomization and DB privacy
Group Reading Options (1)

i. Database Nation: The Death of Privacy in the 21st Century. S. Garfinkel

ii. No Place to Hide. R. O’Harrow


iv. The Future of Reputation. D. Solove

v. Understanding Privacy. D. Solove

vi. The Digital Person. D. Solove
vii. **Privacy in Context.** H. Nissenbaum

viii. **The Limits of Privacy.** A. Etzioni

ix. **Code 2.0.** L. Lessig

x. **Constitution 3.0.** J. Rosen, B. Wittes

xi. **Cellular Convergence and the Death of Privacy.** S. Wicker

xii. **The Future of the Internet and How to Stop It.** J. Zittrain
Group Reading Options (3)

xiii. The Unwanted Gaze. J.Rosen
xiv. The Naked Crowd. J.Rosen
xv. Privacy and Freedom. A.Westin
xvi. Privacy Lost. D.Holtzman
xvii. 1984. G.Orwell
   & Brave New World. A.Huxley
   & Super Sad True Love Story. G.Shteyngart
xviii. Cryptonomicon. N.Stephenson
   & Snow Crash. N.Stephenson
   & The Transparent Society. D.Brin