

# Lecture 1: What Is Computer Security All About?

*Date:* September 27, 2013

*Homework Due:* Oct. 4 at 5:00pm

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1. All about the class
2. What security is all about
  - a. Keeping secrets (confidentiality)
  - b. Protecting against unauthorized changes (integrity)
  - c. Being able to get to things (availability)
3. What does security do?
  - a. Prevent attacks
  - b. Detect attacks
  - c. Recover from attacks
4. People and Security
  - a. Laws and customs
  - b. Organizations
  - c. People problems
5. Trust and assumptions
  - a. Figuring out what you trust
  - b. Leads to assumptions you (and others) make
6. Policies and mechanisms
  - a. Policy
  - b. Mechanism
7. Functionality and assurance