

# Security

CS 537 - Introduction to Operating Systems

# Issues

- Modern systems allow multiple users access to a computer
- Distributed file systems allow users to try and access each others files
- Internet allows communication across public lines (or even wireless)
  - these lines can be “tapped”

# Protection

- Physical protection
  - the most secure system is one inside a vault with guards outside and no connection to the outside world
- Software protection
  - using authentication, access lists, encryption, etc. to protect a system
- Without physical protection, software does no good
- We will concern ourselves with software