



# Week 1

# Information Security Areas

# Information Security Areas

- Policy (requirements, objectives)
  - What?
- Model
  - Formalize policy
- Mechanism
  - How?
- Assurance (evaluation)
  - How well?

# An Example

Policy: authorized access

Model: BLP, RBAC, MMS, etc.

Mechanism: cryptography, digital certificates, cookies, IDS, biometrics, etc.

Assurance: Common Criteria, Orange Book, etc.

What?



How?



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