

## Outline for October 20, 2006

**Reading:** §3.1–3.2, 4.1–4.3

1. Greetings and felicitations!
  - a. Puzzle of the day
2. HRU Result
  - a. Notion of leakage in terms of ACM
  - b. Determining security of a generic system with generic rights and monooperational commands is decidable
  - c. Determining security of a generic system with generic rights is undecidable
  - d. Meaning: can't derive a generic algorithm; must look at (sets of) individual case
3. Policy
  - a. Sets of authorized, unauthorized states
  - b. Secure systems in terms of states
  - c. Mechanism vs. policy
4. Types of Policies
  - a. Military/government vs. confidentiality
  - b. Commercial vs. integrity