

## Outline for October 25, 2023

**Reading:** *text*, §15.5, 16.1–16.2

**Assignments:** Homework 3, due November 6;  
Background Research, due November 3 (*note extension*)

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1. Certificates
  - (a) X.509v4 Distinguished Names
  - (b) Registration and certification authorities
  - (c) Internet certification hierarchy
  - (d) PGP certificates
  - (e) Web of trust
2. Access Control Lists
  - (a) Full access control lists
  - (b) Abbreviations (UNIX method)
  - (c) Issues in the way lists work
  - (d) Revocation issue
3. Capabilities
  - (a) Capability-based addressing
  - (b) Capabilities as security mechanisms
  - (c) Inheritance of C-Lists