Outline for September 26, 2021

**Reading:** text, §4.3–4.4, 2.1–2.2, 5.1  **Assignments:** Homework 1, due October 5; Project selection, due Oct 7

1. Types of Policies
   (a) Military/government vs. confidentiality
   (b) Commercial vs. integrity

2. Access Control Matrix
   (a) Commands, nesting, and conditions
      i. create subject
      ii. create object
      iii. destroy subject
      iv. destroy object
      v. enter $r$ into $A[s, o]$  
      vi. delete $r$ from $A[s, o]$.
   (b) Copy flag, own rights
   (c) Principle of attenuation of privilege

3. Undecidability result

4. Goals of confidentiality policies

5. Bell-LaPadula Model with levels only
   (a) Security levels
   (b) Simple security property
   (c) *.property
   (d) Discretionary security property
   (e) Simplified version of the Basic Security Theorem