

Outline for October 2, 2023

Reading: *text*, §4.3, 2.1–2.2, 5.1 **Assignments:** Homework 1, due October 9; Project teams, question, due Oct 11

1. Policy
 - (a) Example
2. Types of Policies
 - (a) Military/government vs. confidentiality
 - (b) Commercial vs. integrity
3. 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
4. Undecidability result
5. Goals of confidentiality policies
6. Bell-LaPadula Model with levels only
 - (a) Security levels