April 14, 2025 Outline

Reading: *text*,§3.5–3.6, 4.1–4.7   **Due:** Homework #1, due April 14; Project selection, due April 16

Module 13 (Reading: *text*, §4.1–4.4)

1. Policy and models

2. Policy vs. mechanism

Module 14 (Reading: *text*, §4.5–4.6)

3. Policy languages

Module 15 (Reading: *text*, §4.7)

4. Secure, precise

   (a) Observability postulate

   (b) Theorem: for any program p and policy c, there is a secure, precise mechanism m^* such that, for all security mechanisms m associated with p and c, $m^* \approx m$

   (c) Theorem: There is no effective procedure that determines a maximally precise, secure mechanism for any policy and program