

April 24, 2026 Outline

Reading: *text*, §9.2–9.3 **Due:** Homework #2, due April 28 (**Note extension**); Project progress report, due May 11

1. Deterministic noninterference
 - (a) Model of system
 - (b) Example
 - (c) Relationship of output to states
 - (d) Projections and purge functions
2. Alternative definition of security policy
 - (a) Output-consistent
 - (b) Security policy
 - (c) Noninterference-secure with respect to the policy r
3. Unwinding Theorem
 - (a) Locally respects
 - (b) Transition-consistent
 - (c) Unwinding theorem
4. Access Control Matrix interpretation
 - (a) Model
 - (b) ACM conditions
 - (c) Policy conditions
 - (d) Result
5. Policies that change over time
 - (a) Generalization of noninterference
6. Policy composition
7. Nondeducibility
 - (a) Event system
 - (b) Deducibly secure