

March 11, 2019 Outline

Reading: *text*, §9

Assignments: Project, due March 22, 2019, *by 3:00pm Pacific time*

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. Alternate projection function
 - d. 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
 - b. Example