February 14, 2022 Outline

Reading: *text*, §8.2–8.4, 9.1; paper *traduce.pdf*   **Assignments:** Homework 3, due February 18

Module 37

1. Traducement
   (a) Problem of recordation
   (b) Requirements of solution
   (c) Ideas, entities, and rules
   (d) Proposition and theorems
   (e) Naming
   (f) Validation of model
   (g) Consequences
      i. Practice and use
      ii. Assumptions

Module 38

2. Break-the-glass policies

Module 39

3. Problem with instantiation of Bell-LaPadula Model
   (a) Covert channel example: what is "writing"?
   (b) Composition of lattices
   (c) Principles of autonomy and security

Module 40

4. Deterministic noninterference
   (a) Model of system
   (b) Example
   (c) Relationship of output to states
   (d) Projections and purge functions