

January 4, 2021 Outline

Reading: *text*, §1, 2

Assignments: Homework #1, due January 22
Project selection, due January 22

Module 1

1. Introduction to class
 - (a) General information
 - (b) Homework
 - (c) Handouts

Module 2

2. The basic components of security

Module 3

3. Reference monitors and security policy

Module 4

4. Access control matrix and entities
 - (a) Subject, objects (includes subjects)
 - (b) State is (S, O, A) where A is access control matrix
 - (c) Rights (represent abstract notions)
5. Instantiating access control matrices
 - (a) Example: UNIX file system
 - i. *read, write, execute* on files
 - ii. *read, write, execute* on directories