

Lecture 3 Outline

April 6, 2018

Reading: §14, [1] (see syllabus)

Assignments: Homework 1, due on Apr. 11, 2018 at 11:59pm

1. Greetings and felicitations!
2. Principles of secure design
 - a. Principle of least privilege
 - b. Principle of fail-safe defaults
 - c. Principle of economy of mechanism
 - d. Principle of complete mediation
 - e. Principle of open design
 - f. Principle of separation of privilege
 - g. Principle of least common mechanism
 - h. Principle of least astonishment
3. Principles of robust programming
 - a. Maximum stupidity
 - b. Paranoia
 - c. Dangerous implements
 - d. Can't happen