

April 29, 2026 Outline

Reading: *text*, §19, 20–20.1.2

Due: Homework #3 due May 11; Project progress report, due May 11

1. Assurance
 - (a) Trustworthy entities
 - (b) Security assurance
 - (c) Trusted system
 - (d) Why assurance is needed
 - (e) Requirements
 - (f) Types of assurance
 - (g) Assurance and software life cycle
 - (h) Assurance and software development methodologies
2. Threats and Vulnerabilities
3. Architectural Considerations
 - (a) Layering
 - (b) Build in or add on?
 - (c) Reference monitors, security kernels, TCBs