

## Lecture 16: May 4, 2026

**Reading:** *text*, §12.5.3, 13.1–13.3.1

**Due:** Homework 3, due May 11, 2026

---

1. Greetings and felicitations!
2. TLS security
3. Authentication
  - (a) Validating client (user) identity
  - (b) Validating server (system) identity
  - (c) Validating both (mutual authentication)
  - (d) Basis: what you know/have/are, where you are
4. Passwords
  - (a) Problem: common passwords
  - (b) Ways to force good password selection: random, pronounceable, computer-aided selection