

## Lecture 26: May 26, 2021

**Reading:** *text*, 23.3.2-23.10

**Assignments:** Homework 5, due June 2  
Lab 3, due May 26

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1. Computer virus
  - (a) Infection vectors: boot sector, executable, multipartite, macro
  - (b) Concealment: TSR, stealth, encrypted, polymorphic, metamorphic
2. Computer worm
3. Bots and Botnets
4. Miscellaneous malware
  - (a) Rabbits, bacteria
  - (b) Logic bombs
  - (c) Adware, spyware, ransomware
  - (d) Phishing, spearphishing
5. Defenses
  - (a) Scanning
  - (b) Distinguishing between data and instructions
  - (c) Containment
  - (d) Specifications as restrictions
  - (e) Limiting sharing
  - (f) Statistical analysis
  - (g) Trust