Outline for November 7, 2022

Reading: *text*, §23.5–23.7, 23.9   **Assignments:** Homework 3, due November 11;
Progress report, due Nov 11 (Note change in due date!)

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) Adware, spyware, ransomware

    (c) Phishing, spearphishing

5. Defenses

    (a) Scanning

    (b) Distinguishing between data and instructions

    (c) Containment

    (d) Reducing the protection domain

    (e) Trusted systems