Lecture 19 Outline
November 2, 2016

Reading: text, 26  
Assignments: Homework 3, due Nov. 8 (changed); Lab 3, due Nov. 8 (changed)

1. Firewalls
   a. Why use them?
   b. Packet-level or filtering firewalls
   c. Application layer or proxy firewalls

2. Network organization
   a. Inside/outside
   b. Inside/DMZ/outside
   c. How email and web services (and others) are handled

3. Denial of service attacks
   a. SYN cookies
   b. Adaptive time-out

4. Domain Name Service
   a. Weak authentication
   b. Reverse name lookup
   c. Attacks
   d. DNSSEC