1. Consistency & Replication
   a. Tanenbaum 6.1-6.5, 7.1
   b. Data-centric consistency models: strict, sequential, causal, FIFO, weak, release.
   c. Client-centric consistency models: eventual consistency
   d. Consistency protocols: epidemic, active, passive (primary-backup), quorum-based, …

2. Routing Protocols:
   a. Supplemental reading material distributed in class
   b. Presentation by Craig Labovitz

3. Distributed Synchronization
   a. Tanenbaum 5.4 and 5.5 (skip clock synchronization)
   b. Election algorithms
   c. Mutual exclusion

4. Distributed Naming
   a. Tanenbaum 4.1 and 4.2 (skip X.500)
   b. Concept, name spaces, name resolution
   c. Domain Name System
   d. Locating mobile entities (How does mobile IP work?)

5. Distributed Shared Memory
   a. pp. 312-313, 333-353 from Tanenbaum Dist. OS text (dist. in class)
   b. Concept & Design Issues
   c. Comparison of Shared Memory Systems
   d. IVY (page-based DSM protocol & design issues)
   e. Munin (shared variable DSM concept)

6. Distributed Objects, Web Architecture and Web Services
   a. Remote Object Invocation -- Tanenbaum Chapter 2.3
   b. CORBA -- Tanenbaum Chapter 9.1
   c. DCOM -- Tanenbaum 9.2 (optional)
d. The Web architecture – Tanenbaum 11.1 (pp. 647-662)

7. Network Security:
   a. Lecture and handout in class
   b. Firewalls, VPNs, NATs, IDS, …

8. All lecture notes posted on the web or distributed in class: 7a, 7b, routing, 8, 9, 10, 11a and 11b, and network security