Outline for February 5, 2008

**Reading:** [BB07]; [Bi07b]; [BW07]; [Ra04]

**Lecture Outline**

1. History
   a. Why electronic voting systems?
   b. Diebold and the Johns Hopkins paper
   c. RABA study
   d. Other studies
   e. The addition of VVPATs
   f. California top-to-bottom review

2. How an election works
   a. Before the election: voter registration, ballot preparation, poll worker training, logic and accuracy testing
   b. During the election: deploying the machines, voters casting ballots, troubleshooting, provisional balloting
   c. Counting: bringing the ballot boxes/cards to Election Central, scanning paper ballots, reading cards
   d. After the election: the 1% (or more) audit

3. Certification of systems
   a. The certification process
   b. Federal standards
   c. What states do

4. What are the problems?
   a. What are the requirements?
   b. How do the standards reflect these requirements?
   c. How well do the ITAs test the systems?
   d. What are the operational problems?

5. The future
   a. Effect of the California top-to-bottom review
   b. Internet voting