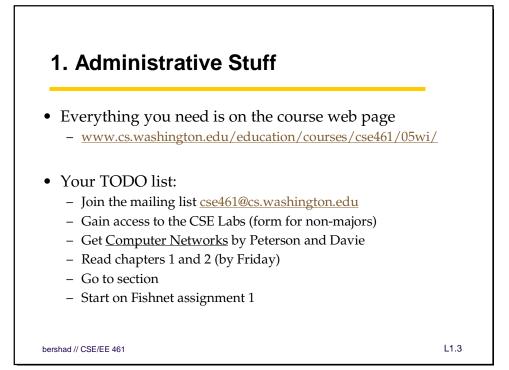
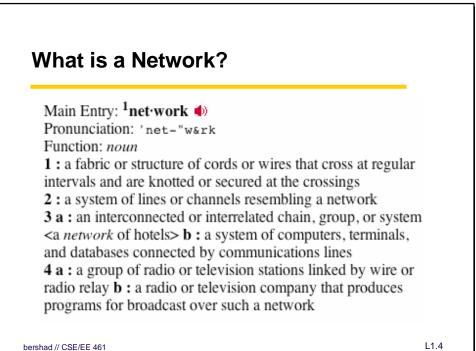
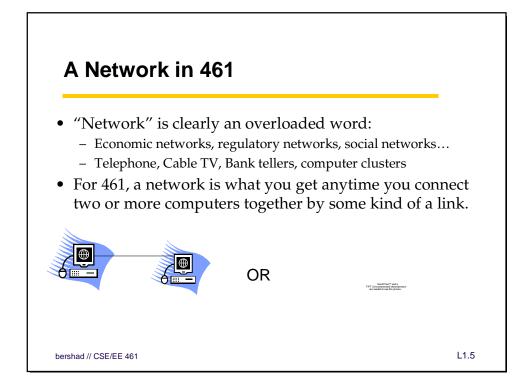


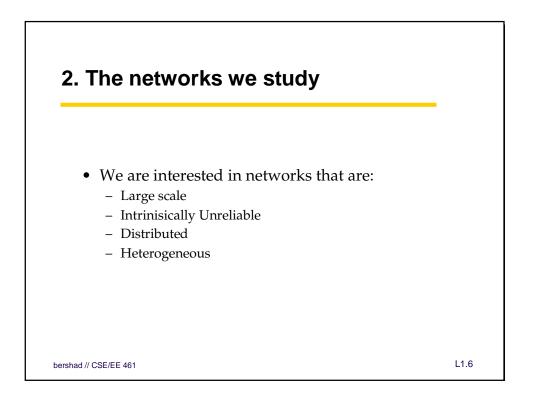
1.	Administrative stuff	
2.	Introduction to Networks	
3.	An Example Technical Thing	

Γ

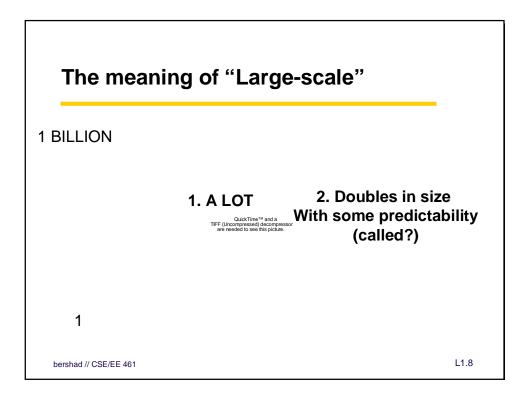


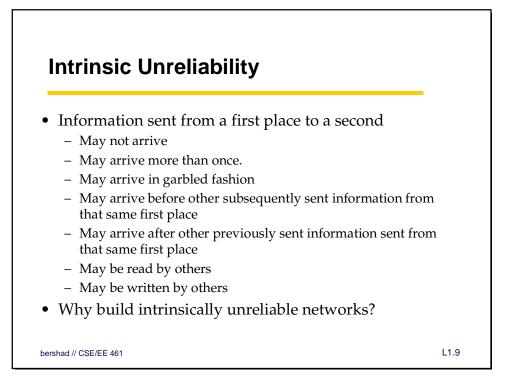


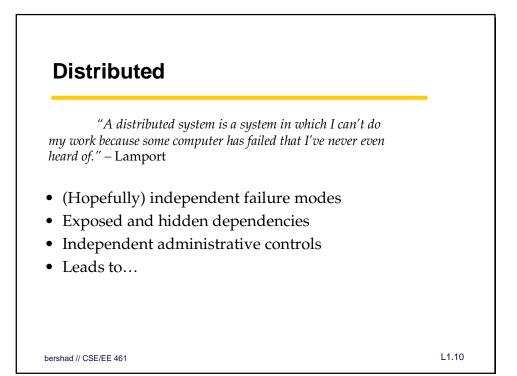


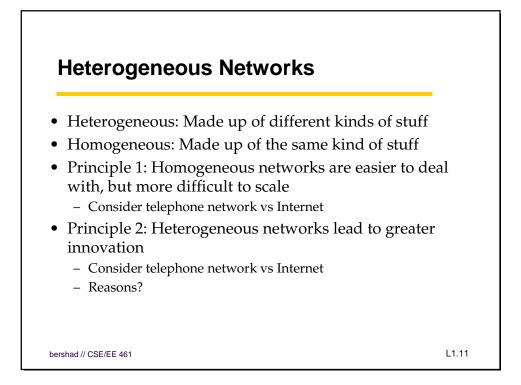


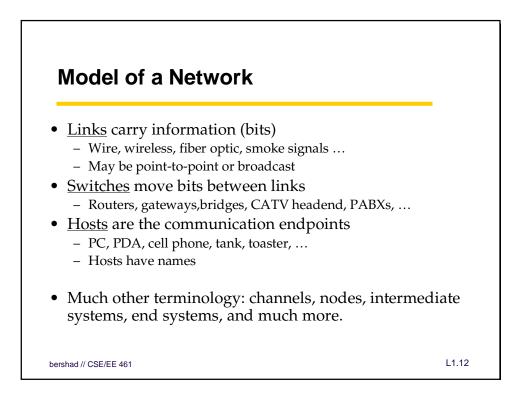
On Scale		
ITF (Uncompressed Sourcessor are readed to use this prose. Small Scale		-
Why does 'scale' matter?	QuickTime™ and a TIFF (Uncompressed) decompressor are needed to see this picture.	
bershad // CSE/EE 461	Large Scale	L1.7

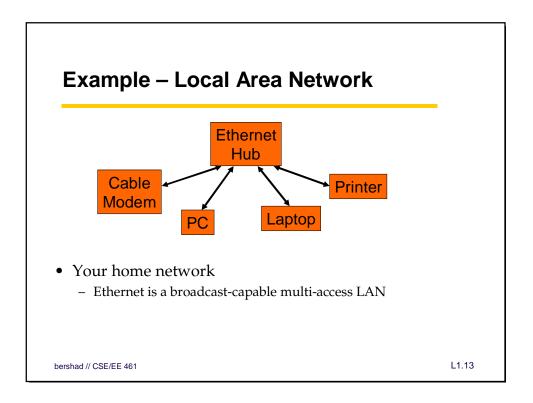


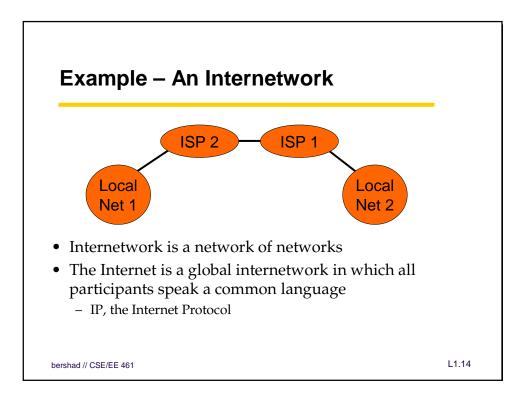


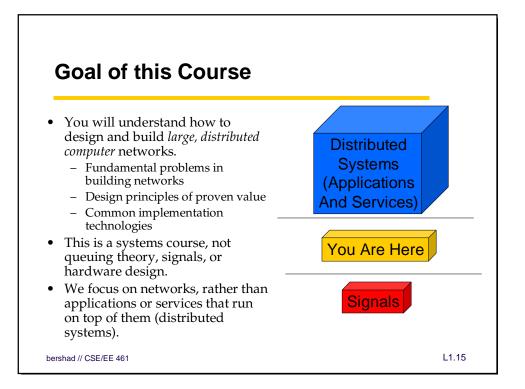








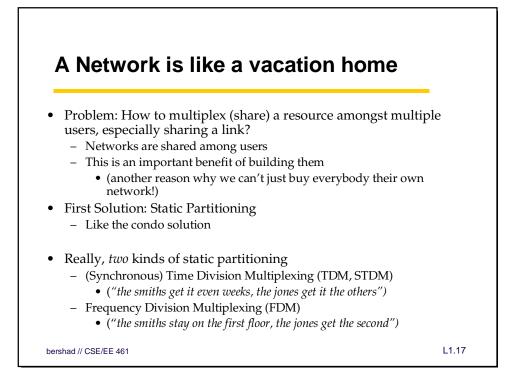


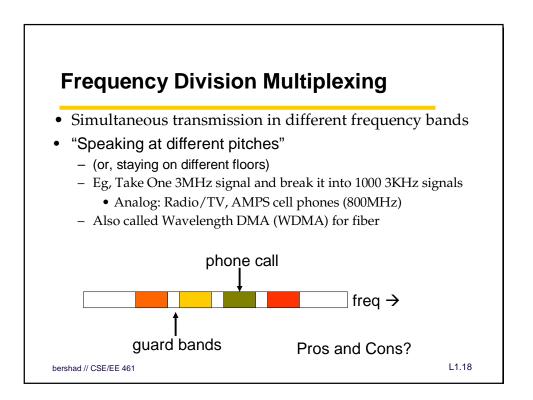


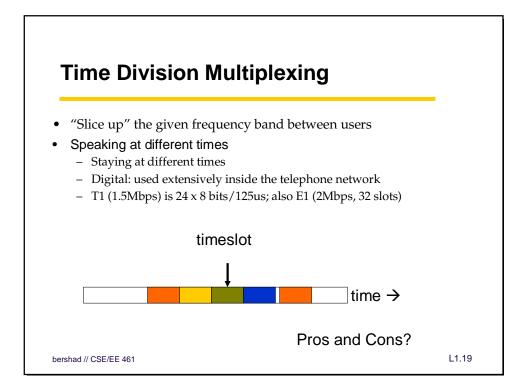
## 3. An Example of a Technical Problem in Networks

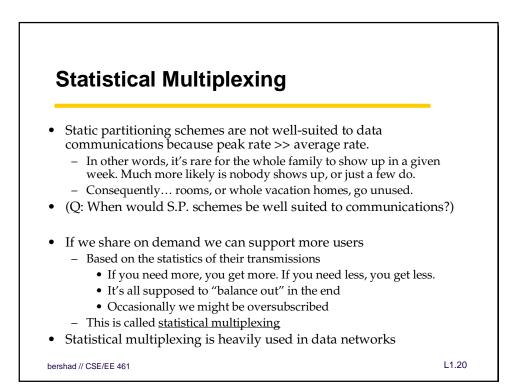
- The Vacation Home Problem
  - N families
  - One Vacation Home.
- How to coordinate access to the home?
   Q: Why not just buy more homes?
- Option 0: Do nothing
  - Conflicts
- Option 1: Time share
  - Each family gets the whole vacation every N weeks
- Option 2: Space share
  - Each family gets one bedroom in the vacation home anytime they want it.
- (All three options are *static* solutions)
  - What can we say about 'static' solutions?

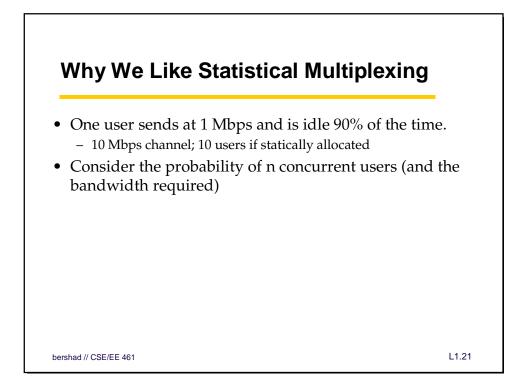
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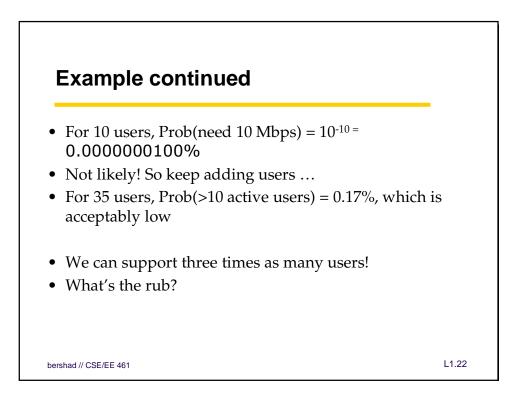












## **Key Concepts**

- We have a web site.
- Networks are comprised of links, switches and hosts
- Networks are used to share distributed resources
  Key problems revolve around effective resource sharing
- Multiplexing lets multiple users share a resource
- Static multiplexing is simple, but not efficient unless the workloads are static
- Statistical multiplexing is more complicated and not guaranteed to work
  - but well-suited to data communications (bursty traffic)

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L1.23