

# CSE 550 –Computer Network Design

## Students Expectations (Term 062)

- Issues of designing a network (tradeoffs, Scalability)
- Evolving technologies
- Technology choices
- Design & simulation tools
- Principle of network design (Project Mgmt, Goals)
- Interoperability issues
- Affordability
- Assessment of Design Solution
- Efficiency
- Security
- Reliability, Availability
- Traffic Engineering
- Routing
- Switching (VLANs)
- Types of Networks
  - Core vs. Access (Layers)
  - LAN vs. WAN
- Phases of Design Process