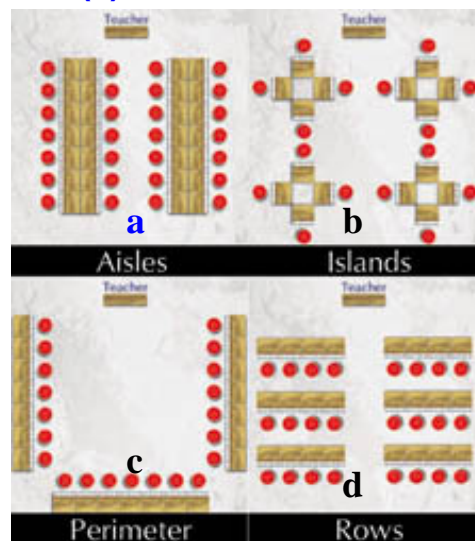


Title of Lab: **Networking Lab**

Area/Space Requirements

- Length: **10 m**
- Width: **7 m**
- Capacity
 - (# Students) **20**
 - Lectern **1**

Seating Requirement (a)



Electrical and Internet Cabling System

- Raised floor **Yes**
- Static-free floor **Yes**
- Cable trough **No**
- Side wall conduit **No**

Furniture

- Tables
 - Area (/ student): **1 m²**
 - LAN Connectors **No**
 - USB Connectors **Yes**
 - Headset Connectors **No**
 - Other Connectors **N/A**
 - Electrical Outlet **No**
- Chairs **Swivel**
- Closets **Yes (Manuals, Storage, Stationary, ..etc)**

Equipment

- Audio/Visual
 - Ceiling-mounted projector **Yes**
 - Video Cassette/DVD Player **No**

- Pull-down screen **Yes**
 - White Board **Yes**
 - Large-screen monitors **No**
- PC
 - CPU (footprint) **Yes**
 - Dual Network Card**
 - Keypad and Mouse **Yes**
 - Monitor **Yes**
- Peripherals
 - Scanner **No**
 - Printer **Yes (1)**
 - Digital Camera **No**
 - Input Microphone **No**
- Software
 - Windows 2000 Server or Windows 2003 Server**
 - Linux Server**
 - Traffic generator**
 - Packet capturing tools like ethereal or sniff'em.**
 - TFTP Server Software.**
 - OPNET ITGURU [Free educational license] Or NS simulator [Freeware]**
 - Microsoft Visio 2003**
- Switches **Yes (5 3Com 4400 or 4200)**
- Networking **Networked**
 - Routers **5 Cisco 2621 with a minimum of two serial interfaces**
- Security and Safety
 - Surveillance Camera System **Yes**
 - Fire Extinguisher **Yes**
 - Sprinkler System **Recommended**
 - Smoke Detectors **Yes**
 - Circuit Breaker: **Yes**
- Other
 - Nearby Systems Room **No**
 - In-house technician **No**
 - Additional Hardware **Yes**
 - Server (1) [Domain controller & FTP server]**
 - Mount racks for routers & switches (5)**
 - Serial Cables (10)**
 - Console Cables (5)**
 - Null modem cables (10)**