Campus Networks (Ch 3)
Essentials: VLANs, DTP, VTP, Link Aggregation (LAG)

Agenda
- Take up any questions
- Review of Lab 2:
  - erasing switch configs
  - VLANs & VTP (esp. ver 3)
  - LAG: load-balancing only works if traffic is suitable & appropriate for load-balancing algorithm; both L2 and L3 types
- Review page 2 of lecture summary notes from previous day
- Continue Ch 3 slide deck: VLANs, Trunking, DTP, VTP

Assigned Readings and Lab work

- Read Ch 3 in FLG; due by Fri by 10am (good pop quiz material!)
- Lab 2 post-lab due by Fri **Jan 18** @ 1:00pm
- Lab 3 pre-lab: due **before** your lab period
- Lab 3 consists of Cisco **v6** labs 3-1 and 3-2; download from course site
  - STP root bridge selection and convergence; port priority & cost metrics

Glossary of Terms

VLAN: Virtual LAN (Local Area Network)

VTP: VLAN Trunking Protocol

DTP: Dynamic Trunking Protocol

STP: Spanning Tree Protocol

LAG: Link AGgregation; Cisco uses the term "Etherchannel"

Trunk: A link which is used for sending frames tagged* with a VLAN

Native VLAN: the (one!) VLAN for which **no** tag is attached

ISL: Inter-Switch Link; method of tagging frames with VLAN; Cisco proprietary

802.1Q: IEEE standard for tagging* frames with a VLAN identifier

*well, they're tagged *almost* all the time; see *Native VLAN*