IN723 Lesson Plan

# Details

## Course: IN723 Advanced Networking

## Lesson Title: Design / Assignment handout

# Objectives

Understand & evaluate a 3 tiered hierarchical design model:

* Access
* Distribution
* Core
* Resiliency, Flexibility, Modularity

Handout and review the research assignment

# Resources

Design Guides

<http://www.cisco.com/c/en/us/solutions/enterprise/design-zone-campus/design-guide-listing.html>

Campus LAN & Wireless design guide

<http://www.cisco.com/c/dam/en/us/td/docs/solutions/CVD/Oct2016/CVD-Campus-LAN-WLAN-Design-2016OCT.pdf>

Campus 3.0 Architecture Model

<http://www.cisco.com/c/en/us/td/docs/solutions/Enterprise/Campus/campover.html>

Campus Design - routed access layer (OSPF, EIGRP)

<http://www.cisco.com/c/en/us/td/docs/solutions/Enterprise/Campus/routed-ex.html>

# Readings

See resources above

# Lesson Content / Labs

* Presentation

\IN723 Design\IN723\_Hierarchical Design.pptx

* Review research assignment
* Continue labs from introduction

3.2.2.5 Vlans & Trunking

4.1.4.6 Basic Router settings

5.1.3.7 802.1q inter vlan routing

6.2.2.5 Static routing

6.3.3.7 VLSM

6.4.2.5 Summary routes

7.3.2.4 RIPv2 & RIPng

7.2.2.4 RIP vs EIGRP metrics (PT)

9.2.1.10 Standard ACL (PT)

9.3.2.10 Extended ACL (PT)