

Cisco Networking Academy										
Advanced Routing										
(Cisco Semester 3 and 4)										
XXXXXXXXXXXXXXXXXXXX	AUG.	SEPT.	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY
Essential Questions	Orientation What is CCNP?	What is the Language of Net-working?	How does a Networker Design Topologies?	What are the Principles of Routing?	How do we secure networks?	Does any of this material make sense?	What happens once we leave the LAN?	How can we communicate and manage the WAN?	What are Protocols? How are Protocols used?	What is the TCS?
Content in terms of essential concepts and topics	Review of Trimester 1 and 2.	OSI Reference Model & Routing LAN Switching	VLANS LAN Design	Routing Protocols IGRP	VLSM Novell; IPX	RIP v2	EIGRP CLI config. switches	OSPF routing protocols VLANS VTP	ACL case study	WANs case study
Standards/Skills i.e., processes and skills emphasized	1.8, 3.7 3.9, 4.15, 4.17	4.22, 5.4 5.7, 5.11 5.15	6.1, 6.2, 6.3, 6.21 8.14	8.15, 10.4 12.1, 12.20	13.3, 13.18 16.3	15.11, 16.14 16.2	10.4, 12.1 16.3, 16.4, 16.14 16.2	8.2, 8.6, 8.10, 8.11 12.1 12.20, 13.3	13.3, 13.18 15.11, 16.3 16.4, 16.14 16.2	
Standards plus MCSC skills										16.3, 16.4 16.14 16.2
Products/Assessments		Group Labs	Group e-labs	Group Competitions using Pyramid	Group Sim labs	Group labs				
It is assumed that teachers will assess students with traditional tests.	Individual Simulation labs		Group Practical Router Configurations			Individual Sim labs Group labs	Group labs	Individual Sim labs; Individual Practical labs	Individual Sim labs; Individual Troubleshooting labs	Final prep