

CCNA EXPLORATION v4.0 ROUTING PROTOCOLS AND CONCEPTS

PACING GUIDE



**Prepared by
Cisco Learning Institute**

May 1, 2008

CCNA EXPLORATION: ROUTING PROTOCOLS AND CONCEPTS

The Pacing Guide is a resource designed to maximize student learning. The Guide provides guidance on time management and difficulty level for Academy instructors teaching CCNA Exploration: Routing Protocols and Concepts.

This Guide provides a suggested percentage of time to be spent on each chapter, based on both a two-month and four-month teaching cycle. It also recommends what percentage of time, within each chapter, should be spent on Lab activities. This assumes that instructors would use the remaining percentage of time outside of Lab activities on teaching, reading, discussion and/or assessment. For example, Chapter 1, Introduction to Routing and Packet Forwarding, is suggested to be completed within the first month, with 15% of instruction on Lab activities.

Also provided in the Guide is the difficulty level of each chapter based on data from student exam scores and instructor feedback. This provides insight into the difficulty level of teaching the material, as well as identifies material that students may have a difficult time grasping. The difficulty level is ranked as High (H), Moderate (M), or Low (L).

CCNA Exploration: Routing Protocols and Concepts							
Chapters	% of Time to Be Spent on Each Chapter	Minimum % of Time to Be Spent on Labs	Teaching Cycle		Difficulty Level		
			2 Months	4 Months	H	M	L
1. Introduction to Routing and Packet Forwarding	10%	20%	1 st month	1 st month		√	
2. Static Routing	10%	20%				√	
3. Introduction to Dynamic Routing Protocols	10%	15%		2 nd month		√	
4. Distance Vector Routing Protocols	5%	5%				√	
5. RIP version 1	10%	20%				√	
6. VLSM and CIDR	10%	25%	2 nd month	3 rd month	√		
7. RIPv2	10%	20%				√	
8. The Routing Table: A Closer Look	10%	15%			√		
9. EIGRP	10%	15%		4 th month	√		
10. Link-State Routing Protocols	5%	0%				√	
11. OSPF	10%	15%			√		