CCNA EXPLORATION V4.0 NETWORK FUNDAMENTALS

PACING GUIDE

Prepared by
Cisco Learning Institute

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CCNA EXPLORATION: NETWORK FUNDAMENTALS

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: Network Fundamentals.

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, Living in a Network-Centric World, is suggested to be completed within the first month, with 5% 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: Network Fundamentals							
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. Living in a Network-Centric World	8%	5%	1st month	1st month		√	
2. Communicating over the Network	8%	20%			√		
3. Application Layer Functionality and Protocols	8%	20%				√	
4. OSI Transport Layer	8%	15%		2nd month		√	
5. OSI Network Layer	14%	15%				√	
6. Addressing the Network IPv4	14%	25%	2nd month	3rd month	√		
7. Data Link Layer	8%	15%			√		
8. OSI Physical Layer	8%	15%				√	
9. Ethernet	8%	15%		4th month		√	
10. Planning and Cabling Networks	8%	20%				√	
11. Configuring and Testing Your Network	8%	20%			√		