Local Area Network Seminar

Technical Data

**Course Number
HP 50747S**

HP Educational Services: Your Key to Higher Productivity

Course Overview

Gain a broad overview of local area network (LAN) technologies and their applications. This course includes a thorough discussion of LAN features, benefits, and limitations, as well as the critical factors in LAN selection and implementation.

Course Features

- Learn the essential characteristics of a LAN
- Gain the ability to compare and contrast different types of LANs in a work environment
- Learn about network topologies and LAN hardware requirements
- Understand baseband and broadband access methods, various transmission media, access protocols, and the open systems interconnection (OSI) model as it relates to LANs

- Gain experience in following the critical steps and criteria for selecting a LAN by completing student exercises
- Become familiar with implementation issues and common pitfalls of installing a LAN in a work setting

Specifications

Course Length: 2 days

Audience: Professionals who support networks and who operate computer networks and managers who are responsible for the selection and implementation of local area networks

Prerequisites
- Basic understanding of computer hardware and software and general knowledge of computer terminology and
- Knowledge of how computers are used in a business environment

Delivery Method: Classroom, onsite

Format: Approximately 50 percent of the course is lecture format. The remaining 50 percent is divided between structured class discussions and group exercises.

Education Benefits

Available at HP Classrooms or Your Site

Take advantage of HP's dedicated learning facilities, equipment, and interactive learning environment by attending class at one of HP's education centers. Or, save travel expenses and time by organizing an onsite delivery at your location.

- Taught by experienced HP instructors
- Learn from an experienced instructor familiar with HP products.
- Comprehensive Student Manual
- Receive a valuable reference source to assist you when you are back on the job.

Regularly Scheduled Classes

- Plan training months in advance.

Course Outline

Day 1
- LAN fundamentals
- Uses of LAN technologies
- Types of LANs
- Components of a LAN
- Measurement of LAN capabilities
- A look at a LAN
- Transmission media
- LAN topologies
- Baseband and broadband

Day 2
- LAN-to-LAN interconnectivity
- International standards
- Environmental impact of a LAN
- Planning issues
- Network operation issues
- Evaluating a LAN
- Needs assessment
- Designing a network
- Future trends for LANs

Ordering Information

To order Local Area Network Seminar (HP 50747S) in the U.S., call 1-800-HPCLASS (1-800-472-5277).

HP's Customer Registration Center can provide you with price, scheduling, and enrollment information, as well as provide information about onsite delivery.

Outside the U.S., contact your nearest HP Customer Education Center or local HP sales office.

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