

Technical Data

OSI Overview: Architecture,
Technology, and Standards

Course Number

HP H2521A

Open Systems Interconnection (OSI) Overview self-paced course enables a student to learn fundamental OSI technology information. This course provides technical concepts of the OSI model and related standards in a self-paced manner. In specific this course covers the details of standardization environment, OSI Architecture, File Transfer Access and Management (FTAM), Message Handling Systems (MHS), OSI Management, and Migration from today. This course takes approximately 8–10 hours to complete.

Benefits

This course will give you:

- † The knowledge to describe the OSI reference model
- † An understanding of OSI standards and profiles
- † The ability to identify areas not covered by OSI

Special Features

Approximately 70 percent of this course will be presentational, consisting of lecture. The remaining 30 percent will be paper–pencil exercises. This self–paced course is composed of six VHS videocassettes in PAL or NTSC formats, one course book, one student guide, and one OSI Primer. Equipment needed for the course are one VHS videocassette player and a monitor. This course is divided into lessons which can provide natural beginning and ending points for instruction. At the end of each lesson, there is a review quiz to reinforce the key points of the lessons.

A special feature of this self–paced course is that you can learn at your own pace. You can proceed through this course as quickly or as slowly as you wish and stop at any time. When you start again, you begin right where you left off. You can also study at your own desk. No need to travel to get the training you need. Sit at your own desk or in a nearby training room. You are available to answer those important questions while learning how to get the most from your HP product.

Finally, you can use the course many times. Other people in your organization can be trained using the same self–paced courseware. Or you can use it again later to refresh your memory on specific points.

Who Should Attend

Technical support professionals and professionals who design and implement networks.

Prerequisites

The student of this course needs a basic understanding of computers. Students should read the OSI Primer before taking this course. The primer is enclosed in the package.

Ordering Information

To order OSI Overview: Architecture, Technology, and Standards (HP H2521A) in the U.S. call HP DIRECT, (800) 538-8787 or, in Canada (800) 387-3154. Toronto customers call 671-8383. Outside the U.S. and Canada, contact your local HP sales office, (PAL videocassette format option is available).

Course Outline

Lesson 1

- | Information Technology Environment
- | OSI perspective

Lesson 2

- | Standardization Environment
- | ANSI, CCITT, ISO/IEC, NBS/NIST, COS → DP, DIS, IS

Lesson 3

- | OSI Architecture Concepts
- | OSI Reference Model

Lesson 4

- | Transport Service
- | Transport, Network, Data Link, and Physical Layers

Lesson 5

- | Application Service Concepts
- | Application Layer functions
- | Application Control Service Elements (ACSEs)
- | Application Service Elements (ASEs) (e.g., FTAM, MMS, VT)
- | OSI Application Process (AP)

Lesson 6

- | File Transfer, Access, and Management (FTAM)
- | Purpose and functionality

Lesson 7

- | Message Handling Service (MHS)
- | Structure and purpose → X.400

Lesson 8

- | Presentation & Session Layers
- | Functions and services

Lesson 9

- | OSI Management
- | Structures and protocols
- | X.500

Lesson 10

- | Community of Interest Functional Profiles
- | MAP 3.0, TOP, and GOSIP

Lesson 11

- | Migration From Today
- | Migration strategies