

Cisco Wireless LAN Fundamentals Class
CWLF v2.0
Agenda
(4-day class)

DAY 1

8:30 AM - 9:00 AM	Module 0 – Introduction <ul style="list-style-type: none">• Introductions• Agenda
9:00 AM - 10:00 AM	Module 1 – Wireless Technology Overview <ul style="list-style-type: none">• Describing WLAN Radio Technologies• Defining Antenna Concepts
10:00 AM - 10:15 AM	Break
10:15 AM - 12:00 AM	Module 1 – Wireless Technology Overview (cont.) <ul style="list-style-type: none">• 802.11 Design Concepts• Introducing 802.11 Security
12:00 PM - 1:00 PM	Lunch
1:00 PM - 2:00 PM	Module 2 – Cisco WLAN Products <ul style="list-style-type: none">• Describing WLAN Access Points, Bridges and Accessories
2:00 PM - 3:00 PM	Module 2 – Cisco WLAN Products (cont.) <ul style="list-style-type: none">• Describing WLAN Clients• Describing WLAN Controllers and Routers
3:00 PM - 3:15 PM	Break
3:15 PM - 5:00 PM	Module 2–Cisco WLAN Products (cont.) <ul style="list-style-type: none">• Describing Network Management• Introducing Access Point Enterprise-Class Features
5:00 PM	End of Day 1

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DAY 2

8:00 AM - 8:30 AM	Review of Day 1
8:30 AM - 9:45 AM	Module 3 – Cisco Wireless Clients and Supplicants <ul style="list-style-type: none">• Installing and Configuring Aironet Desktop Utility• Installing and Configuring Cisco Secure Services Client
9:45 AM - 10:00 AM	Break
10:00 AM - 12:00 PM	Module 4 – Standalone Access Point Administration <ul style="list-style-type: none">• Describing the Standalone Solution• Setting up Standalone Access Point Hardware
12:00 PM - 1:00 PM	Lunch
1:00 PM - 3:00 PM	Module 4 – Standalone Access Point Administration (cont.) <ul style="list-style-type: none">• Configuring the Standalone Access Point• Managing the Standalone Access Point• Configuring the Standalone Access Points for Security
3:00 AM - 3:15 PM	Break
3:15 PM - 5:00 PM	Module 4 – Standalone Access Point Administration (cont.) <ul style="list-style-type: none">• Introducing CiscoWorks WLAN Solution Engine• Client Configuration (Lab 4-1)
5:00 PM	End of Day 2

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DAY 3

8:00 AM - 8:30 AM	Review of Day 2
8:30 AM - 10:30 AM	Module 5 – Wireless Bridges <ul style="list-style-type: none">• Implementing Wireless Standalone Bridges• Choosing Roles in Radio Network
10:30 AM - 10:45 AM	Break
10:45 AM - 12:00 AM	Module 5 – Wireless Bridges (cont.) <ul style="list-style-type: none">• Determining Bridge Path Information• Setting up and Configuring the Cisco Standalone Bridge
12:00 Noon - 1:00 PM	Lunch
1:00 PM - 2:15 PM	Module 5 – Wireless Bridges (cont.) <ul style="list-style-type: none">• Set Radio SSIDs, Channel, and Data Rates (Lab 5-1)• Restore the Access Point to Default Data Rates (Lab 5-2)• Test Throughput to a Lab Server Using FTP (Lab 5-3)• Configure the Access Point for LEAP with WPA Encryption (Lab 5-4)
2:15 PM - 3:00 PM	Break
3:00 PM - 5:00 PM	Module 6 – Cisco Unified WLAN Administration <ul style="list-style-type: none">• Introducing the Cisco Controller-Based Products and Configuration• Explaining Roaming Concepts• Configuring a WLAN Controller• Configuring Secure Authentication• Introducing the Cisco Wireless Control System• Outdoor Bridge Range Calculation Utility (Lab 6-1)
5:00 PM	End of Day 3

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DAY 4

8:00 AM - 8:30 AM	Review of Day 3
8:30 AM - 10:00 AM	Module 7 – Site Survey Preparation and Techniques <ul style="list-style-type: none">• Determining the Deployment Requirements for a Site Survey• Performing a Site Survey
10:00 AM - 10:15 AM	Break
10:15 AM - 12:00 Noon	Module 7 – Site Survey Preparation and Techniques (cont.) <ul style="list-style-type: none">• Gathering the Deployment Requirements for a Voice Site Survey• Cisco Wireless LAN Controller System Setup (Lab 7-1)• Configuring the Controller via the Web-Browser (Lab 7-2)• Configuring Web Authentication (Lab 7-3)• Configuring 802.1X PEAP (MSCHAP V2) Authentication (Lab 7-4)
12:00 Noon - 1:00 PM	Lunch
1:00 PM - 1:50 PM	Module 7 – Site Survey Preparation and Techniques (cont.) <ul style="list-style-type: none">• Configuring WPA Encryption w/ 802.1X LEAP Authentication (Lab 7-5)• Configuring WPA2 Encryption w/ 802.1X EAP-FAST Authentication (Lab 7-6)
1:50 PM - 2:00 PM	Break
2:00 PM - 4:30 PM	Module 8 – Tools and Utilities <ul style="list-style-type: none">• Identifying Site Survey Tools• Using Site Survey Utilities• Identify other WLAN Management Tools
4:30 PM - 5:00 PM	Wrap-up