



HAINA

Routing and Switching Technology Teaching Schedule

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Term 1

No.	Course Type	Course Content
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3	Theory	HC110110013 IP Addressing
4	Theory	HC110110013 IP Addressing
5	Theory	HC110110014 Internet Control Message Protocol HC110110015 Address Resolution Protocol
6	Theory	HC110110016 Transport Layer Protocols HC110110017 Data Forwarding Scenario
7	Theory	HC110111010 Expanding the Huawei Enterprise Network HC110111011 Navigating The CLI
8	Lab	Entry Lab Guide: Lab 1-1 Building Basic IP Networks
9	Theory	HC110111012 File System Navigation and Management HC110111013 VRP Operating System Image Management
10	Theory	HC110112010 Establishing a Single Switched Network HC110112011 Spanning Tree Protocol
11	Theory	HC110112011 Spanning Tree Protocol
12	Lab	Entry Lab Guide: Lab 2-1 Basic Device Navigation and Configuration Lab 3-1 Configuring STP
13	Theory	HC110112012 Rapid Spanning Tree Protocol
14	Lab	Entry Lab Guide: Lab 3-2 Configuring RSTP
15	Theory	HC110113010 Segmenting The IP Network HC110113011 IP Static Routes
16	Lab	Entry Lab Guide: Lab 4-1 Configuring Static Routes and Default Routes

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17	Theory	HC110113012 Distance Vector Routing with RIP
18	Lab	Entry Lab Guide: Lab 4-2 Configuring RIPv1 and RIPv2
19	Lab	Entry Lab Guide: Lab 4-3 RIPv2 Route Aggregation and Authentication
20	Theory	HC110113013 Link State Routing with OSPF
21	Theory	HC110113013 Link State Routing with OSPF
22	Lab	Entry Lab Guide: Lab 4-4 OSPF Single-Area Configuration
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24	Theory	HC110114011 FTP Protocol Principles HC110114012 Telnet Protocol Principles
25	Lab	Entry Lab Guide: Lab 5-1 Configuring FTP Services Lab 5-2 Implementing DHCP
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Term 2

No.	Course Type	Course Content
1	Theory	HC110115010 Advanced Enterprise Solutions Overview HC110115011 Link Aggregation
2	Theory	HC110115012 VLAN Principles
3	Lab	Intermediate Lab Guide: Lab 1-1 Ethernet Interface and Link Configuration Lab 1-2 VLAN Configuration
4	Theory	HC110115013 GARP and GVRP
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8	Lab	Intermediate Lab Guide: Lab 1-5 Configuring Layer 3 Switching
9	Theory	HC110116010 Bridging Enterprise Networks with Serial WAN Technology
10	Theory	HC110116011 Frame Relay Principles
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12	Theory	HC110116012 Establishing DSL Networks with PPPoE
13	Lab	Intermediate Lab Guide: Lab 2-3 PPPoE Client Session Establishment
14	Theory	HC110117010 Access Control Lists HC110117011 AAA
15	Lab	Intermediate Lab Guide: Lab 3-1 Filtering Enterprise Data with Access Control Lists Lab 3-3 Establishing Local AAA solutions

No.	Course Type	Course Content
16	Theory	HC110116013 Network Address Translation
17	Lab	Intermediate Lab Guide: Lab 3-2 Network Address Translation
18	Theory	HC110116014 Establishing Enterprise RAN Solutions HC110115015 Wireless LAN Overview
19	Theory	HC110117012 Securing Data with IPsec VPN HC110117013 Generic Routing Encapsulation
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21	Theory	HC110118010 Simple Network Management Protocol HC110118011 eSight Network Management Solutions
22	Lab	Intermediate Lab Guide: Lab 4-1 Managing Networks with SNMP
23	Theory	HC110119010 Introducing IPv6 Networks
24	Theory	HC110119011 IPv6 Routing Technologies HC110119012 IPv6 Application Services - DHCPv6
25	Lab	Intermediate Lab Guide: Lab 5-1 Implementing IPv6 Networks and Solutions
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