Module 1 Static Routing	• More specific routes • ECMP • How to force gateway over specific interface • Gateway reachability check and route distance • Routing mark and route policy • Recursive next-hop and scope/target-scope usage • **Module 1 laboratory**

Module 2 Point to Point Addressing	• Point to Point address configuration • **Module 2 laboratory**

DAY 1

DAY 2

Module 3 VPN	• What is VPN? • Different types of VPN • Site to site connectivity with tunnels • IPIP, EoIP, PPTP, SSTP, L2TP, PPPoE • VLAN and it's usage • QinQ implementation • VLAN and managed switch • VLAN and switch chip configuration on RouterBOARDs • **Module 3 laboratory**

Module 4
OSPF
	• What is OSPF?
	• How OSPF protocol works
	  • Hello protocol
	  • Database distribution and LSA types explained
	• OSPF network structure
	  • Areas
	  • Router types
	• OSPF neighbors and neighbor states (DR and BDR election)
	• External Route Distribution methods (type1, type2)
	• Interface cost and interface types (broadcast, NBMA, etc.)
	• SPT calculation algorithm
	• OSPF and multicast (problems with NBMA)
	• Stub, NSSA and area ranges (route aggregation)
	• Virtual links, usage and limitations
	• OSPF routing filters and limitations
	• **Module 4 laboratory**

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