Campus Netrwork Design Workshop

	3-Dec-18
1	Introduction to the Campus Network Design & Operations Workshop
2	Overview of Research and Education Networks around the world
3	Layer 1, 2 and 3 Refresher
4	Campus Network Design Principles
5	Campus Network Cabling best practices
6	Cabling Installation Tips/Hints
7	IPv4 and IPv6 Addressing

	4-Dec-18
1	Building an Address Plan
2	Cisco Configuration Essentials
3	Layer 2 Lab Setup
4	Layer 2 Network Design
5	Switching Architectures: Spanning Tree
6	Spanning Tree Lab
7	Switching Architectures: VLANs

	5-Dec-18
1	Switching Architectures: Advanced L2
2	Routing and Forwarding Basics
3	Selecting Campus Devices
4	L3 Switches
5	Migrating a Campus Network from Flat to Routed
6	Introduction to OSPF
7	Introduction to NAT

	6-Dec-18
1	Campus Operations Best Practices
2	Campus Security Overview
3	Introduction to Cryptography
4	Introduction to SSH
5	SSH Keys
6	Introduction to Hash functions/GPG
7	Host Security
8	IDS pragmatics/Snort

	7-Dec-18
1	Network Monitoring and Management Overview
2	Network Performance Definitions
3	Introduction to SNMP
4	Introduction to LibreNMS/ Nagios/ Cacti/ Smokeping
5	Netflow and NfSen
6	NOC Presentations
7	Closing Ceremony & Certificates