

ACCA5024				
Week	Unit(s) Covered	Labs/ Assessments	In-Class Activity (IcA)	Homework (HW)
Week 1 (28-09-20)	Advances in modern technologies	Lab 1: Design and build a simple network		HW 1: Research IT and Networking Job Opportunities (Regional/ International)
Week 2 (05-10-20)	OSI and TCP/IP - An overview	Lab 2: Install Wireshark and view network traffic. (Real Devices - 1 PC with Internet) (Optional)		-
Week 3 (12-10-20)	Router Configuration, IPv4 Addressing	Lab 3: NIC Information (Wired/ Wireless), MAC Address and IP Address (Real Device - 1 PC)	IcA 1: Instructor Demo to understand Telnet and SSH Communication using Wireshark) (Estimated Time: 30 Mins)	-
Week 4 (19-10-20)	IPv6 Addressing, ICMP	Lab 4: Configure IPv6 Addresses(Packet Tracer)		Submission Deadline - HW 1
Week 5 (26-10-20)	IPv6 Addressing, ICMP	Lab 5: ARP Table and IPv6 Neighbor Discovery. (Packet Tracer/ Real Devices)	-	HW 2: IPv4 Subnets and VLSM Submission Deadline: Week 8
Week 6 (02-11-20)	Network Security Fundamentals	Lab 6: Secure the Network, Use Ping and Traceroute, Observer DNS Resolution (Packet Tracer/ Real Devices)	-	
Week 7 (09-11-20)	Routing Concepts (Introduction)	Lab 6: Build a Switch and a Router Network. (Packet Tracer/ Real Devices - 2 PC's, 2 Switches, 2 Routers)	-	
Week 8 (16-11-20)	IP Static Routing	Lab 7: Static Routing 1. (Packet Tracer/ Real Devices - 2 PC's, 2 Switches, 2 Routers)	-	Submission Deadline - HW 2
Week 9 (23-11-20)	IP Static Routing	Lab 8: Static Routing - 2. (Packet Tracer/ Real Devices - 2 PC's, 2 Switches, 2 Routers)	-	
Week 10 (30-11-20)	Building a complete network	Lab 9: Design a network, Implement IP Addressing Scheme, Connect the Network. (Packet Tracer/ Real Devices)	-	
Week 11 (07-12-20)	Building a complete network	Lab 10: Secure and Troubleshoot the Network, (Packet Tracer/ Real Devices)	-	

Total Labs	10
Total In-Class-Work	1
Total Home Work	2
Assessments	
Component 1 75%	Practical Exam (Real Time/ SBA PKT)
Component 2 25%	Online Exam - 1 Hour
References: Netacad	Introduction to Networks (V7)