Course: BA ICS/CSB

Module: CS2031 Telecommunications II

Lecturer(s): Stefan Weber
Period: Michaelmas term

Slot 2 Example Code Discussion Error Control Pub/Sub- Protocol				Tutorials	Lab exercises	Deadlines
Week 2 Slot 1 Flow Control Pub/Sub-Protocol 21.09.3 Week 3 Slot 1 Error Detection and Correction Error Control Pub/Sub-Protocol 28.09.3 Week 4 Slot 1 Point-to-Point Protocol HDLC/PPP Pub/Sub-Protocol 05.10.3 Week 5 Slot 1 CDMA - 802.11 DCF - 802.11 PCF CSMA/CDMA Pub/Sub-Protocol 12.10.3 Week 5 Slot 1 CDMA - 802.11 DCF - 802.11 PCF CSMA/CDMA Pub/Sub-Protocol 12.10.3 Week 6 Slot 1 IP Addresses - Classful Addr./CIDR/NAT 802.11 Pub/Sub-Protocol 19.10.3 Week 7 Slot 2 IP Fragmentation OpenFlow 26.10.3 Week 8 Slot 1 Routing OpenFlow 02.11.3 Week 9 Slot 1 Routing OpenFlow 09.11.3 Week 10 Slot 1 Transport Layer - UDP, Ports IPv6 OpenFlow 16.11.3 Week 11 Slot 1 Software-Defined Networking UDP, DNS OpenFlow 23.11.3 Week 12 Slot 1 <	Week 1	Slot 1	Introduction, HTML Use Case, etc			14.09.18
Slot 2 Sockets & Threads		Slot 2	Example Code Discussion			
Week 3 Slot 1 Error Detection and Correction Error Control Pub/Sub-Protocol 28.09.3 Week 4 Slot 1 Point-to-Point Protocol HDLC/PPP Pub/Sub-Protocol 05.10.3 Week 5 Slot 1 CDMA - 802.11 DCF - 802.11 PCF CSMA/CDMA Pub/Sub-Protocol 12.10.3 Week 6 Slot 1 IP Addresses - Classful Addr./CIDR/NAT 802.11 Pub/Sub-Protocol 19.10.3 Week 7 Slot 1 IP Fragmentation OpenFlow 26.10.3 Week 8 Slot 1 Routing OpenFlow 02.11.3 Week 9 Slot 1 IPv6 Routing OpenFlow 09.11.3 Week 10 Slot 1 Transport Layer - UDP, Ports IPv6 OpenFlow 16.11.3 Week 11 Slot 1 Software-Defined Networking UDP, DNS OpenFlow 23.11.3 Week 12 Slot 1 Review OpenFlow 30.11.3	Week 2	Slot 1	Flow Control	Flow Control	Pub/Sub-	21.09.18
Slot 2 HDLC		Slot 2	Sockets & Threads		Protocol	
Week 4 Slot 1 Point-to-Point Protocol HDLC/PPP Pub/Sub-Protocol Slot 2 Medium Access Control Protocol Week 5 Slot 1 CDMA - 802.11 DCF - 802.11 PCF CSMA/CDMA Pub/Sub-Protocol Slot 2 802.3 Ethernet - Bridges/Switches Protocol Protocol Week 6 Slot 1 IP Addresses - Classful Addr./CIDR/NAT 802.11 Pub/Sub-Protocol Slot 2 IP Fragmentation Protocol Protocol Week 7 Slot 1 OpenFlow 26.10.3 Week 8 Slot 1 Routing OpenFlow 02.11.3 Week 9 Slot 1 IPv6 Routing OpenFlow 09.11.3 Week 10 Slot 1 Transport Layer - UDP, Ports IPv6 OpenFlow 16.11.3 Week 11 Slot 1 Software-Defined Networking UDP, DNS OpenFlow 23.11.3 Week 12 Slot 1 Review OpenFlow OpenFlow 30.11.3	Week 3	Slot 1	Error Detection and Correction	Error Control	Pub/Sub-	28.09.18
Slot 2 Medium Access Control Protocol		Slot 2	HDLC		Protocol	
Week 5 Slot 1 CDMA - 802.11 DCF - 802.11 PCF CSMA/CDMA Pub/Sub-Protocol Week 6 Slot 1 IP Addresses - Classful Addr./CIDR/NAT Slot 2 802.11 Pub/Sub-Protocol Week 7 Slot 1 IP Fragmentation Protocol 19.10.3 Week 8 Slot 1 OpenFlow 26.10.3 Slot 2 BGP & Multicast OpenFlow 02.11.3 Week 9 Slot 1 IPv6 Routing OpenFlow 09.11.3 Week 10 Slot 1 Transport Layer - UDP, Ports IPv6 OpenFlow 16.11.3 Week 11 Slot 1 Software-Defined Networking UDP, DNS OpenFlow 23.11.3 Week 12 Slot 1 Review OpenFlow & OpenFlow 30.11.3	Week 4	Slot 1	Point-to-Point Protocol	HDLC/PPP	Pub/Sub-	05.10.18
Slot 2 802.3 Ethernet - Bridges/Switches		Slot 2	Medium Access Control	1	Protocol	
Week 6 Slot 1 IP Addresses - Classful Addr./CIDR/NAT Slot 2 802.11 Pub/Sub-Protocol Week 7 Slot 1 Slot 2 OpenFlow Slot 2 26.10.3 Week 8 Slot 1 Routing Slot 2 BGP & Multicast IP Addresses OpenFlow Slot 2 Network Layer Recap & Outlook Routing OpenFlow OpenFlow OpenFlow Slot 2 Network Layer - UDP, Ports Slot 2 DNS IPv6 OpenFlow OpenFlow Slot 2 DNS OpenFlow OpenFlow OpenFlow Slot 2 Advanced Topics (ICN/CDN/Nebula) UDP, DNS OpenFlow OpenFlow OpenFlow Slot 2 Advanced Topics (ICN/CDN/Nebula) OpenFlow OpenFlow OpenFlow Slot 3 OpenFlow Slot 1 Review OpenFlow OpenFlow Slot 3 OpenFlow Slot 1 Review OpenFlow Slot 3 OpenFlow Slot 1 Review OpenFlow Slot 3 Open	Week 5	Slot 1	CDMA - 802.11 DCF - 802.11 PCF	CSMA/CDMA	Pub/Sub-	12.10.18
Slot 2 IP Fragmentation		Slot 2	802.3 Ethernet - Bridges/Switches]	Protocol	
Week 7 Slot 1 OpenFlow 26.10.3 Week 8 Slot 1 Routing IP Addresses OpenFlow 02.11.3 Week 9 Slot 1 IPv6 Routing OpenFlow 09.11.3 Week 10 Slot 1 Transport Layer - UDP, Ports IPv6 OpenFlow 16.11.3 Week 11 Slot 1 Software-Defined Networking UDP, DNS OpenFlow 23.11.3 Week 12 Slot 1 Review OpenFlow & OpenFlow 30.11.3	Week 6	Slot 1	IP Addresses - Classful Addr./CIDR/NAT	802.11	Pub/Sub-	19.10.18
Slot 2 Week 8 Slot 1 Routing IP Addresses OpenFlow O2.11.3		Slot 2	IP Fragmentation		Protocol	
Week 8 Slot 1 Routing IP Addresses OpenFlow 02.11.3 Week 9 Slot 1 IPv6 Routing OpenFlow 09.11.3 Week 10 Slot 1 Transport Layer - UDP, Ports IPv6 OpenFlow 16.11.3 Week 11 Slot 1 Software-Defined Networking UDP, DNS OpenFlow 23.11.3 Week 12 Slot 1 Review OpenFlow & OpenFlow 30.11.3	Week 7	Slot 1			OpenFlow	26.10.18
Slot 2 BGP & Multicast Routing OpenFlow O9.11.2		Slot 2				
Week 9 Slot 1 IPv6 Routing OpenFlow 09.11.3 Week 10 Slot 1 Transport Layer - UDP, Ports IPv6 OpenFlow 16.11.3 Week 11 Slot 2 DNS UDP, DNS OpenFlow 23.11.3 Week 12 Slot 1 Review OpenFlow 30.11.3	Week 8	Slot 1	Routing	IP Addresses	OpenFlow	02.11.18
Slot 2 Network Layer Recap & Outlook Week 10 Slot 1 Transport Layer - UDP, Ports Slot 2 DNS Week 11 Slot 1 Software-Defined Networking Slot 2 Advanced Topics (ICN/CDN/Nebula) Week 12 Slot 1 Review OpenFlow 30.11.2		Slot 2	BGP & Multicast			
Week 10 Slot 1 Transport Layer - UDP, Ports Slot 2 DNSIPv6OpenFlow16.11.3Week 11 Slot 1 Software-Defined Networking Slot 2 Advanced Topics (ICN/CDN/Nebula)UDP, DNSOpenFlow23.11.3Week 12 Slot 1 ReviewOpenflow & OpenFlow30.11.3	Week 9	Slot 1	IPv6	Routing	OpenFlow	09.11.18
Slot 2 DNS Week 11 Slot 1 Software-Defined Networking Slot 2 Advanced Topics (ICN/CDN/Nebula) Week 12 Slot 1 Review Openflow & OpenFlow 30.11.3		Slot 2	Network Layer Recap & Outlook			
Week 11 Slot 1 Software-Defined Networking Slot 2 Advanced Topics (ICN/CDN/Nebula)UDP, DNS UDP, DNSOpenFlowWeek 12 Slot 1 ReviewOpenflow & OpenFlow30.11.3	Week 10	Slot 1	Transport Layer - UDP, Ports	IPv6	OpenFlow	16.11.18
Slot 2 Advanced Topics (ICN/CDN/Nebula) Week 12 Slot 1 Review Openflow & OpenFlow 30.11.3		Slot 2	DNS			
Week 12 Slot 1 Review Openflow & Openflow 30.11.3	Week 11	Slot 1	Software-Defined Networking	UDP, DNS	OpenFlow	23.11.18
1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1		Slot 2	Advanced Topics (ICN/CDN/Nebula)]		
Slot 2 Review Review	Week 12	Slot 1	Review	Openflow &	OpenFlow	30.11.18
		Slot 2	Review	Review		

^{*}may be subject to change