UNIVERSITÀ DEGLI STUDI DELL'AQUILA
CORSI DI INGEGNERIA

A.A. 2018/2019
Advanced and software defined networks (I4T)
- Pratesi Marco -

(Aggiornato il 25-09-2018)

Contenuti del corso (abstract del programma):

Data-link level security methods. Spanning-Tree Protocol (STP) and its derivatives. Virtual LANs (VLAN). Inter-VLAN routing. Basic concept and configuration of Wireless LANs (WLAN) based on IEEE 802.11. IGP routing protocols: RIP, EIGRP, OSPF. WAN protocols: xDSL, PON FTTx, Frame Relay, ATM, MPLS. Metro Ethernet networks. Convergence of the traditional phone network on the IP network. 4G mobile networks and evolution toward 5G. Basics of vehicular ad-hoc networks (VANET). Basics of Software Defined Networks (SDN) and Network Function Virtualization (NFV).

Programma esteso:

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Modalità d'esame:

Oral exam.

Risultati d'apprendimento previsti:

Knowledge of technologies used in existing and upcoming telecommunications networks.

Testi di riferimento:

Nessuno