

CEN 444: Computer Networks

- Credit Hours (Lectures, Lab, Tutorial): 3 (3 + 0 + 1).
- Prerequisites: CEN 342

Courses content: Introduction to computer networks: Network topologies; Network architecture and the OSI reference model; Data Link Control: flow control and error control, ARQ Stop/wait , Sliding window protocols, DLC standards : HDLC , PPP and SLIP; Medium Access control Protocols and standards; ALOHA, CSMA, CSMA/CD, Token Ring , Wireless; LAN standards & Devices: Ethernet and IEEE standards for LANs; LAN devices: Bridges, HUBs, Ethernet Switches; Network Layer Services: Datagram and Virtual Circuits; WAN Standards and techniques: X.25, Frame relay, ATM.