

CEN 445: Network Protocols & Algorithms

- Credit Hours (Lectures, Lab, Tutorial): 3 (3 + 0 + 1).
- Prerequisites: CEN 444.

Courses content: Network Layer Protocols: Optimality principle, Routing Algorithms: Flow based, Distance Vector, Shortest Path, Broadcast; Congestion control Algorithms: Leaky Bucket, Traffic Shaping, congestion control in ATM; Internetworking Protocols: The Internet Network layer, IP Tunneling and Concatenated Virtual Circuits, IP datagram forwarding, encapsulation, fragmentation, and reassembly; Transport Layer Protocol: TCP and UDP, AAL layer in ATM.