Computers and networks (SE-008)
(ARVUTID JA ARVUTIVÕRGUD)

SUBJECT DESCRIPTION

Credits (ECTS)	2.00 ECTS
Assessment	pass/fail

Aim of the subject and short description

Introduction to components of computers and computer networks. Modulation methods and line protocols used in computer networks. Overview of different types of computer networks. Internet protocol. Architectures and protocols of computer networks. IP address classes and routing, CIDR notation of addresses. Configuration of local area networks, services in local area networks.

Learning outcomes:

Student:

1. Knows components and topologies of computer networks
2. Understands workflows and principles of network protocol
3. Knows main network services offered in computer networks
4. Knows structure of TCP/IP framework model and all versions of physical layer of computer network
5. Knows how to set up local area network
6. Knows how to use IP addresses in calculations and how to transform subnet mask from CIDR notation to decimal system and vice versa