**Computer Networks (ECTS credits: 5)**

Language: the course is offered in Serbian and Hungarian.

**Course description:**

The course covers architectures and protocols of computer networks. Emphasis is put on local area networks and the Internet. The themes are the following: OSI model, network devices, RFC documents, media access, Ethernet, wireless LAN, IPv4 and IPv6 datagrams, addressing and sub-netting, routing algorithms, QoS, ICMP, VLAN, protocols of transport layer (TCP/UDP), protocols of application layer, DHCP, DNS, mailing protocols.

**Aims:**

* to help students to gain knowledge of computer network protocols
* to recognize the importance and the usage of computer networks
* to use network services and protocols

**Learning outcomes:**

After completing the course the student should be able to:

* configure local area networks
* create subnets and assign IP addresses
* recognize network protocols
* use network services