

**Course title: Communication Protocols**

**Course code: 63716**

**ECTS: 6**

**Professor: Andrej Brodnik**

**Undergraduate program**

**Prerequisite knowledge:**

- Basic understanding of computer networks
- Basic understanding of operating systems
- Basic programming

**Short course description:**

- The main goal of the course is to achieve deeper knowledge of important network protocols and about basic principles of ensuring protection and security of ICT systems. More specifically:
  - o Computer startup, startup via network and connection to the network
  - o Network management
  - o Real time in networks
  - o Multicast
  - o Security elements: IPsec, SSL and infrastructure
  - o AAA – Authentication, Authorization and Accounting
  - o Information for network operation
  - o IEEE802 family of protocols

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