

Course title: Network Security		
Lecturer(s): Tešendić D. Danijela, Surla I. Dušan		
Status: obligatory		
ECTS: 7		
Requirements: None		
Learning objectives Teaching students about basic functions and design of computer networks.		
Learning outcome <i>Expected:</i> Understanding of basic functions, technologies and architectures of modern computer networks. <i>Desired:</i> Adopting skills required for administration and securing computer networks and several Internet services.		
Syllabus <i>Theory</i> Basic concepts and elements of computer network security. Cryptography. Basic techniques for providing network security. Network systems security. Examples of cryptographic systems. Verification of techniques for providing network security. <i>Practice</i> ---		
Recommended literature Stallings, W., <i>Network Security Essentials: Applications and Standards</i> , Prentice Hall, 2006		
Weekly teaching load	Lectures: 2	Student research: 0
Teaching methodology Classical teaching methods using video beam are applied during lectures. Some lectures are performed in specialized computer laboratory using simulations packets for computer networks as well as computer network equipment. Student has to work on individual practical assignment.		
Grading method (maximal number of points 100) Seminar paper 60 points, Oral examination 40 points		