

Discipline	COMPUTER NETWORKS - PROJECT	code: 45c	winter semester
Specialty	Computer Science and Technologies		
ECTS credits: 2	Form of assessment: ongoing assessment		
Lecturer	Assoc. Prof. Veneta Aleksieva, PhD Room 207-4 E Phone: +359 52 383 439 E-mail: valeksieva@tu-varna.bg		
Department	Computer Science and Engineering		
Faculty	Faculty of Computing and Automation		
<p>Learning objectives:</p> <p>The subject aims to make deep students' knowledge in the field of computer networks. In the context of local and Internet networks, the students make a self-study of a particular network technology based on an individual task sets by the lecturer. They write the study in a paper reviewing the technology standards and existing implementations of aspects such as security, performance, reliability and fault-tolerance. They are familiar with topical issues related to the implementation and development of selected network technologies. They formulate a conclusion about its applicability, its advantages and disadvantages.</p> <p>The discipline is related to next subjects "Administration of Local and Internet Networks" and "Computer and Network Security".</p>			
CONTENTS:			
Training Area		Hours lectures	Hours seminar exercises
Description of the subject area. Study the subject area. International and national standards for the chosen technology.			2
Exploring the application areas of the technology. Links to previous technologies.			4
Consider alternative solutions.			4
Comparative analysis of the studied technology with the alternative solutions in terms of technical characteristics. Formulation of advantages and disadvantages of the technology towards alternative solutions.			4
Format of the PDU of the selected technology. Specifics concerning the advantages / disadvantages of technology.			4
Type of exchanged messages in the selected technology. Specifics concerning the advantages / disadvantages of technology.			4
Implementation of QoS (Quality of Service) for the technology under consideration. Comparative analysis of existing solutions			4
Documentation.			2

Defense of project.		2
TOTAL: 30 h	0	30