

1.	<b>Field of study</b>	<b>Computer Science</b>
2.	Academic year of entry	2017/2018 (summer term), 2018/2019 (summer term)
3.	Level of qualifications/degree	second-cycle studies
4.	Degree profile	general academic
5.	Mode of study	full-time

**Module:** Services servers administration

**Module code:** 08-IN-IIN-S2-ASU

**1. Number of the ECTS credits:** 2

2. Learning outcomes of the module			
code	description	learning outcomes of the programme	level of competence (scale 1-5)
ASU-K_7	Is aware of costs connected with transfer of big amounts of data and data security in company	K_2_A_I_K02 K_2_A_I_K05	1 1
ASU-U_3	Can create network services configuration to increase security	K_2_A_I_U01 K_2_A_I_U02 K_2_A_I_U03 K_2_A_I_U11	1 1 1 1
ASU-U_4	Uses specification to choose the best software ensuring a network service	K_2_A_I_U01 K_2_A_I_U05	1 1
ASU-U_5	Designs network security tools of Firewall type	K_2_A_I_K01 K_2_A_I_U12 K_2_A_I_U15	1 1 1
ASU-U_6	Creates hybrid systems for network traffic management	K_2_A_I_U05 K_2_A_I_U10	1 1
ASU-W_1	Enumerates principles of network services management DNS,DHCP, SSH, WWW, MySQL, FTP, VPN, POP3, SMTP, IMAP, Samba, in GNU Linux operating system.	K_2_A_I_W02 K_2_A_I_W05 K_2_A_I_W13 K_2_A_I_W20	1 1 1 1
ASU-W_2	Describes significance and operation of network traffic management QoS		

		K_2_A_I_K01	1
		K_2_A_I_W11	1
		K_2_A_I_W13	1

<b>3. Module description</b>	
<b>Description</b>	Aim of the subject is making the students acquainted with theoretical and practical aspects of advanced network services management..
<b>Prerequisites</b>	

<b>4. Assessment of the learning outcomes of the module</b>			
code	type	description	learning outcomes of the module
ASU_w_1	Credit test	Solving project tasks	ASU-U_3, ASU-U_4, ASU-W_1
ASU_w_2	Control tests	Control exercises after each topic discussed during classes	ASU-K_7, ASU-U_5, ASU-U_6, ASU-W_1, ASU-W_2

<b>5. Forms of teaching</b>						
code	form of teaching			required hours of student's own work		assessment of the learning outcomes of the module
	type	description (including teaching methods)	number of hours	description	number of hours	
ASU_fs_1	lecture	Presenting educational content in verbal form, using content visualization. Focusing on material insufficiently described in the available Internet sources and indicating website addresses .	10	Getting acquainted with lecture thematic using the existing method packages: Internet websites and e? learning package.	10	ASU_w_1
ASU_fs_2	laboratory classes	Detailed preparation of the students to solve tasks stressing the tasks describing real problems.	20	Solving tasks of subsequent topics together with analysis of already existing solutions – on websites.	20	ASU_w_2