

1.	Field of study	Computer Science
2.	Faculty	Faculty of Science and Technology
3.	Academic year of entry	2019/2020 (summer term)
4.	Level of qualifications/degree	second-cycle studies
5.	Degree profile	general academic
6.	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_K02 K_K03	1 1
ASU-U_3	Can create network services configuration to increase security	K_U01 K_U02 K_U03	1 1 1
ASU-U_4	Uses specification to choose the best software ensuring a network service	K_U01 K_U05	1 1
ASU-U_5	Designs network security tools of Firewall type	K_U11 K_U14	1 1
ASU-U_6	Creates hybrid systems for network traffic management	K_U05 K_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_W02 K_W05 K_W13 K_W20	1 1 1 1
ASU-W_2	Describes significance and operation of network traffic management QoS	K_W11 K_W13	1 1

3. Module description

Description	Aim of the subject is making the students acquainted with theoretical and practical aspects of advanced network services management..
Prerequisites	

4. Assessment of the learning outcomes of the module

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

5. Forms of teaching

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