Załącznik nr 9
do Zarządzenia Rektora PŚk Nr 35/19
w brzmieniu ustalonym Zarządzeniem Nr 12/22

COURSE DESCRIPTION

Course code	full-time studies	
	part-time-studies	
Course name	**System operacyjny Linux 1**	
Course name in English	**Linux Essentials 1**	
Valid from academic year	**2022/23**	

PLACEMENT IN THE TEACHING PROGRAM

Field of study	Computer Science
Level of education	1st degree
Studies profile	General
Form and method of teaching classes	**Full-time and part-time studies**
Specialization	**Information and communication technology**
Organizational unit responsible for the course	**Department of Information Systems**
Course coordinator	**Dr inż. Adam Krechowicz**
Approved by	**Dean of the Faculty of Electrical Engineering, Automatic Control and Computer Science Stanisław Deniziak, KUT prof., DSc, PhD**

GENERAL CHARACTERISTIC OF THE COURSE

Course affiliation		**Specialty subject**
Course status		**1st degree**
Language		**English**
Semester	full-time studies	**VII**
	part-time-studies	**VII**
Requirements		**Operating Systems**
Exam (YES/NO)		**NO**
ECTS		**4**

Course form		**lecture**	**classes**	**laboratory**	**project**	**other**
Hours per semester	full-time studies	**30**		**30**		
	part-time-studies	**18**		**18**		

LEARNING RESULTS

Category	Result Symbol	Learning Results	References to the field of study results
Knowledge	W01	Knows and understands the assumptions of the Linux system and elements of the system architecture	INF1_W11
	W02	Knows and understands Linux commands and the rules of their application	INF1_W11
	W03	Knows and understands the ways to configure and administer the Linux system	INF1_W11
Skills	U01	Can use Linux with the use of the command line	INF1_U11
	U02	Can configure Linux system	INF1_U11
	U03	Can administer Linux system	INF1_U11
Social competence	K01	Is ready to cooperate with other Linux users	INF1_K1
	K02	Is ready to use open source software	INF1_K1
	K03	Is ready to participate in the community of free software users	INF1_K1

COURSE CONTENT

Course Form	Content
lecture	Advanced system shell functions Advanced Linux commands Advanced work with directories and files Advanced work with regular expressions Advanced VI editor functions Advanced use of pipes and redirects Process management in Linux Linux backup Advanced system configuration System startup Advanced shell scripting Components of the X-Window Environment Configuration of display managers Use of accessibility in Linux Advanced use of location
laboratory	Advanced system shell functions Advanced Linux commands Advanced work with directories and files Advanced work with regular expressions Advanced VI editor functions Advanced use of pipes and redirects Process management in Linux Linux backup Advanced system configuration System startup Shell scripting Components of the X-Window Environment Configuration of display managers Use of accessibility in Linux Advanced use of location

LEARNING RESULTS VERIFICATION METHODS

Result Symbol	Learning results verification methods					
	Oral Exam	Written Exam	Midterm	Project	Report	Other
W01			X			
W02			X			
W03			X			
U01				X		X
U02				X		X
U03				X		X
K01				X		X
K02				X		X
K03				X		X

ASSESSMENT FORMS AND CRITERIA

Course Form	Assessment Form	Assessment Criteria
lecture	Passig with grade	The student obtained a minimum of 50% of the points from the test
laboratory	Passing with grade	The student obtained a minimum of 50% of the points from the test and laboratory assignmenet

STUDENT'S VOLUME OF WORK

ECTS Balance												
No.	Activity Type	Student Involvement										Unit
		full-time studies					part-time-studies					
1)	Participation in classes according to the schedule	Lec	C	Lab	P	S	Lec	C	Lab	P	S	h
		30		30			18		18			
2)	Other (consultations, exams)	2		2			2		2			h
3)	**Total with the direct assist of an academic teacher**	**64**					**40**					h
4)	**Number of ECTS, that students obtains with the direct assist of an academic teacher**	**2,56**					**1,6**					ECTS
5)	**Hours of unassisted student work**	**36**					**60**					h
6)	**Number of ECTS that student obtains working unassisted**	**1,44**					**2,4**					ECTS
7)	**Practical classes volume of work**	**30**					**18**					h
8)	**Number of ECTS obtained by student at practical classes**	**1,2**					**0.72**					ECTS
9)	**Total student's volume of work expressed in hours**	**100**					**100**					h
10)	**ECTS**	**4**										ECTS

BIBLIOGRAPHY

1. Materials on the NetAcad platform made available to students during classes.