

DESCRIPTION OF THE COURSE OF STUDY

Course code	0613-2INF-C18-SP	
Name of the course in	Polish	Środowisko programisty
	English	Programmer's Environment

1. LOCATION OF THE COURSE OF STUDY WITHIN THE SYSTEM OF STUDIES

1.1. Field of study	Computer Science
1.2. Mode of study	Full-time
1.3. Level of study	Undergraduate engineering study
1.4. Profile of study	General academic
1.5. Person/s preparing the course description	Roman Suchanek
1.6. Contact	r.suchanek@ujk.edu.pl

2. GENERAL CHARACTERISTICS OF THE COURSE OF STUDY

2.1. Language of instruction	English
2.2. Prerequisites	none

3. DETAILED CHARACTERISTICS OF THE COURSE OF STUDY

3.1. Form of classes	Laboratory classes (30h)	
3.2. Place of classes	Courses in the UJK teaching rooms of the Faculty of Exact and Natural Science	
3.3. Form of assessment	credit with grade	
3.4. Teaching methods	Laboratory classes – problem methods, laboratory method (practical exercises using computers)	
3.5. Bibliography	Required reading	1. M. Sobell Practical Guide to Linux Commands, Editors, and Shell Programming, Pearson 2017 2. T. Oetiker, H. Partl, I. Hyna, E. Schlegl, The Not So Short Introduction to LaTeX2e
	Further reading	

4. OBJECTIVES, SYLLABUS CONTENT AND INTENDED LEARNING OUTCOMES

4.1. Course objectives (including form of classes)
Knowledge (laboratories) C1. To give students an elementary knowledge of text utilities and utility software C2. An introduction to the software and documentation development Abilities (laboratories) C1. Developing skills to use programing tools and automation some operations C2. Developing skills to read a codes of structured programming and create own short programs

4.2. Detailed syllabus (including form of classes)

Laboratories:

1. DOS and scripts (commands, directory structure, command interpreter).
2. Linux and scripts (general information about the system, commands, shell, script interpretation).
3. Bash (shell role, scripting language, scripts).
4. Editing the C source file, trying to execute the source file, need to compile (gcc program) i consolidation.
5. Make program and compilation automation, writing makefile scripts.
6. C language - programming (DevC++ environment).
7. C language - using libraries.
8. LaTeX (MikTeX, TeTeX): creating a .TEX file using an ASCII editor, using latex, dvips programs for generating .PS, .PDF documents using the pdflatex program to generate a .PDF document using programs: gs, gv, acrobatreader.
9. LaTeX work in the TeXnicCenter (Windows) and Kile (Linux) environment, creating typical documents.
10. LaTeX utility packages: algorithm2e.sty, beamer.

4.3. Education outcomes in the discipline

Code	A student, who passed the course	Relation to learning outcomes
within the scope of KNOWLEDGE:		
W01	knows: basic commands (when working on the console) of the Windows and Unix operating environment regarding working with files and directories	INF1A_W13
W02	knows: console and graphical environments for software compilation	INF1A_W13
W03	knows: basic data types and structures in the imperative programming language	INF1A_W13
W04	knows: text and graphical environments used to compose texts using LaTeX macro instructions	INF1A_W13
within the scope of ABILITIES:		
U01	Performs operations on files and directories in the known operating system	INF1A_U12 INF1A_U14
U02	Solves simple IT tasks	INF1A_U12 INF1A_U14
U03	Creates simple structural programs (max 100 rows)	INF1A_U12 INF1A_U14
U04	Creates documentation and mathematical formulas in LaTeX	INF1A_U12 INF1A_U14
U05	creates macro instructions in the operating environment shell	INF1A_U12 INF1A_U14
within the scope of SOCIAL COMPETENCE:		
K01	takes care of the workplace	INF1A_K04
K02	respects software copyrights	INF1A_K04

4.4. Methods of assessment of the intended learning outcomes

[illegible]

[illegible]

4.5. Criteria of assessment of the intended learning outcomes		
Form of classes	Grade	Criterion of assessment
lecture (L)	3	at least 50% and not more than 60% of the total number of available points
	3,5	more than 60% and not more than 70% of the total number of available points
	4	more than 70% and not more than 80% of the total number of available points
	4,5	more than 80% and not more than 90% of the total number of available points
	5	more than 90% of the total number of available points
classes (C)	3	at least 50% and not more than 60% of the total number of available points
	3,5	more than 60% and not more than 70% of the total number of available points
	4	more than 70% and not more than 80% of the total number of available points
	4,5	more than 80% and not more than 90% of the total number of available points
	5	more than 90% of the total number of available points
project (P)	3	at least 50% and not more than 60% of the total number of available points
	3,5	more than 60% and not more than 70% of the total number of available points
	4	more than 70% and not more than 80% of the total number of available points
	4,5	more than 80% and not more than 90% of the total number of available points
	5	more than 90% of the total number of available points

5. BALANCE OF ECTS CREDITS – STUDENT’S WORK INPUT

Category	Student's workload	
	Full-time studies	Extramural studies
<i>NUMBER OF HOURS WITH THE DIRECT PARTICIPATION OF THE TEACHER /CONTACT HOURS/</i>		
<i>Participation in lectures</i>		
<i>Participation in laboratories/project</i>	30	
<i>Preparation for the exam</i>		
<i>Others</i>		
<i>INDEPENDENT WORK OF THE STUDENT/NON-CONTACT HOURS/</i>		
<i>Preparation for the lecture</i>		
<i>Preparation for the laboratories</i>		
<i>Preparation for the exam</i>		
<i>Gathering materials for the project</i>		
<i>Preparation of multimedia presentation</i>		
<i>Others*</i>		
<i>TOTAL NUMBER OF HOURS</i>	30	
ECTS credits for the course of study	2	

Accepted for execution (date and signatures of the teachers running the course in the given academic year)

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