National Technical University of Ukraine "Igor Sikorsky Kyiv Polytechnic Institute"

WORK CURRICULUM

Vi Ig	APPROVED by ice-Rector for Academic Affairs jor Sikorsky Kyiv Polytechnic Institute	2022 / 2023 academic year (Enrolment 2020)															Fac	ulty (Ins	ititute	te) of Informatics and Computer Science							
Speciality Anatolii MELNYCHENKO Educational and Professional progr Level			am Computer Systems Software Engineering													_	Form of study full Study duration 3 year						rs 10 months				
			Bachelor															Qualification				Bachelor in Software					
	"" 2022 р.	Graduation Department	Comput	er Engi	neerir	ng												_									
	පී Educational components	Departments	Num stu	Number of students		Discipline workload		ne Classroom hours						Distribution for te				s (sen	nesters)	D	Distribution of classroom hours per week by courses and semesters 3rd year of study						
								including									s		_	1 5/	emester	IN	-07	2 semes	ster		
				с				Lectures Practical			Labo	Laboratory		tudy					g wor		F	18	weeks includi	ing	\square	18 wee inclu	ks uding
Ž			В		ECTS Credits	Number of hours	Total	according to curriculum	Including individual classes according to curriculum	Including individual classes	according to curriculum	Including individual classes	Individual classes	Self-s	Exams	Final tests	Module test Course projects	Courseworks	Calculation and graphin	Home tests	CSS89S Total	Lectures	Practical	Laboratory	Total	Lectures	Practical Laboratory
1	2	3	4	5	6	7	8	9	10 11	12	13	14	15	16	17	18	19 2	0 21	22	23 2	4 2	5 26	27	28	29	30	31 32
				1. NO	RMAT	IVE e	ducat	ional	componen	its																	
		Department of Economic and			1.1.	Gene	al tra	ining	cycle												\top	\top		\top			
1	Human Rights and Freedoms	Administrative Law	0	8	2	60	36	18	18					24		5	5				2	: 1	1				_
2	Foreign language for professional purposes. Part I	English Language of Humanitie Orientation № 3	° 0	8	3	90	72		72					18		6	5				2	!	2		2		2
		Total n	mber of p	art 1.1	I 5	150	108	18	90					42		2	2				4	1	3		2		2
_				1	.2. PI	oress	ionai	traini	ng cycle											T T	—	—		\top	\square		
3	Software Engineering Components. Part 4. Software Quality Assurance and Testing	Computer Engineering	0	8	4	120	54	36			18			66	5		5				3	; 2		1			
4	Course work on Software Engineering Components	Computer Engineering	0	8	1	30	0							30		5		5									
5	Operating Systems	Computer Engineering	0	8	5,5	165	72	36			36			93	5		5				4	2		2			
6	Agile Programming Techniques	Computer Engineering	0	8	4	120	54	36			18			66	6		6								3	2	1
7	Risk and Quality Management of Projects	Computer Engineering	0	8	4,5	135	54	36			18			81	6		6								3	2	1
8	High Performance Systems Software	Computer Engineering	0	8	4	120	54	36			18			66	6		6								3	2	1
	-	Total n	mber of p	art 1.2	2 23	690	288	180			108			402	5	1	5	1			7	' 4		3	9	6	3
		TOTAL IN NORMATIVE education	nal comp	onents	S 28	840	396	198	90		108			444	5	3	7	1			1	1 5	3	3	11	6	2 3
		2.1. General train	ng cycle (Select	tive e	ducat	ional	comp	onents fro	m Uni [.]	versity	-wide	catalo	gue)													
Total number of part 2.1.																											
	1	2.2. Professional training cy	cle (Select	ive ed	ucati	onal o	omp	onent	s from Inte	rfacul	ty / Fa	culty/D	epart	ment	cata	logue)										
9	Development of system software	Computer Engineering	0	8	4	120	54	36			18			66		5	5				3	2		1	\square		\perp
10	Program and data security systems	Computer Engineering	0	8	4	120	54	36			18			66		6	6				_				3	2	1
11	Java programming language	Information Systems and Technologies	0	8	4	120	54	36			18			66		5	5				3	; 2		1			
12	2 Python programming technologies	Computer Engineering	0	8	4	120	54	36			18			66		6	6								3	2	1
13	Methods and Technologies of Artificial Intelligence	Information Systems and Technologies	0	8	4	120	54	36			18			66		5	5				З	2		1			
14	Distributed information systems	Computer Engineering	0	8	4	120	54	36			18			66		6	6								3	2	1
15	5 Introduction to Artificial Intelligence	Computer Engineering	0	8	4	120	54	36			18			66		5	5				З	2		1			
16	6 Computer Vision Technologies	Computer Engineering	0	8	4	120	54	36			18			66		6	6								3	2	1
		Total nu	mber of p	art 2.2	. 32	960	432	288			144			528		8	8	-		\square	1	2 8	_	4	12	8	4
<u> </u>		TOTAL OF SELECTIVE education	nai comp	OTAL	5 32 60	960	432 828	288 486	90		144 252			528 972	5	8 11	8 15	1	+		2	2 8 3 13	3 3	4	12	8 14	2 7
						1			Exa	ms Teet-					5					\mp	Ŧ		2			3	
				Final Tests 11 Module test 15							-	++	+		8		_	5 7									
		Nun	f			Course projects									1		$\downarrow \downarrow$	+		1		_					
				-			Calculation and graphing works										-	-	+	+							
									Home	tests										\square	+				_		
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Approved by the Faculty Academic Council, Meeting protocol № 9 from 2022-05-11

Head of the Department

Sergii STIRENKO

Dean of the Faculty

Yaroslav KORNAGA