SYLLABUS

in the discipline "Physics" for students of the first (bachelor's) level of higher education

specialty 122 Computer Science

educational and professional program **Artificial Intelligence**

Kharkiv National University of Radio Electronics

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			on of system problems with	conflicting goals, t	incertainties and	
12.	Learning outcomes of higher education	The study of this discipline gives the student the opportunity to: know: basic concepts, laws and theories that explain physical phenomena, as well as physical quantities, with which they describe physical phenomena and processes; the essence of physical phenomena, their mechanisms, cause-and-effect relationships in physical processes; the limits of application of physical laws and theories of physics; theoretical and experimental methods of physical research. be able to: apply knowledge of the basic forms and laws of abstract-logical thinking, the foundations of the methodology of scientific knowledge, forms and methods of extraction, analysis, processing and synthesis of information in the subject area of computer science have: the ability to formulate mathematically and research continuous and discrete mathematical models, substantiate the choice of methods and approaches for solving theoretical and applied problems in the field of computer science, analysis and interpretation The ability to ensure the organization of computing processes in information systems for various purposes, taking into account the architecture, configuration, performance indicators of the functioning of operating systems and system software				
13.	Assessment system according to each task for passing the exam	e sem				
			Control measure	Rating O_{sem}		
			Lw №1	2 4		
			Lw №2	2 4		
			Lw №3 Control lesson	5 10		
			Pc №1	4 7		
			Pc №2	4 7		
			Pc №3	4 7		
			Test	11 14		
			Checkpoint 1	32 53		
			Lw №4	2 4		
			Lw №5	2 4		
			Lw №6 Control lesson	5 10 4 7		
			Pc №4 Pc №5	4 7		
			Test	11 15		
			Checkpoint 2	28 47		
			Total for the semester	60 100		
			Semest	,		
			Control measure	Rating O_{sem}		
			Lw №1	3 5		
			Lw №2	3 5		

		Т						1
				Pc №1	4		7	
				Pc №2	4		7	
				Test	10		19	
			(Checkpoint 1	24		43	
				Lw №3	3		5	
			Lw N	64 Control lesson	13		18	
				Pc №3	4		7	
				Pc №4	4		7	
				Test	12		20	
				Checkpoint 2	36		57	
				for the semester			100	
			Total	Tor the semester	00	•••	100	
		semester 1 by the app semester. The comb "Physics" calculated for the sen	. The first discard for the control of the control	I control for the disc nal grade is determine or education for comp arm is used as a form ester 2. With this ty formula: $P_n = 0.6 \cdot O$ a 100-point system,	ed as obleting of fixon O_{ex}	the number of control	mber of rol action on trol for the error the for the formula $\frac{1}{2}$	f points received vities during the for the discipline e final grade is the ere O_{sem} – grade e exam in a 100-
			C	C 1	1.			ECTC
		Grade	from	Score on a national	scare			ECTS
		the disc	cipiine				1'.	scale score
				exam		crec	111	
		96-100		5 (perfectly)		pass	ed	A
		90-95		5 (perfectly)		pass	cu	B
		75-89		4 (good)				C
		66-74		3 (satisfactorily)				D
		60-65		3 (satisfactorily)				E
		35-59		` ,	no	t n 0000	.d	FX
		1-34		2 (unsatisfactorily)	110	t passe	u	F
1.4	The quality of the			tha minai-1		of	000 400	
14.	The quality of the educational process	Adherence to the principles of academic integrity (http://lib.nure.ua/plagiat). Timely updating of the content of the discipline depending on the modern needs of the specialty						
15.	Methodical support	Basic liter						
				es with examples ar	_			
				s and thermodynami				
				ers. – Kharkiv, KNU				
				s with examples and				
				ok. manual./ IM Kib	ets a	nd oth	ers F	Kharkiv: SMITH
		Company,						
		2. General physics with examples and problems. Part 3, item 1. Optics:						
		textbook / IM Kibets and others H.: SMITH Company, 2012 232p.						
		Supporting literature						
		1. Elementary physics in examples and problems: textbook. Manual for						
		preparatory departments / A.D. Tevyashev et al Kharkov: KNURE,						

2005. - 628p.

others.- Kharkiv: KNURE, 2006. –124s.

2. Collection of tests from the course of physics / O.M. Kovalenko and

3. Dictionary of physical terms: textbook / TB Tkachenko.- Kharkiv:

		KNURE, 200480p.			
		4. Savelyev IV Physics course. T.1,2,3M.: Nauka, 1989.			
		Methodical instructions for different types of classes			
		1. Methodical instructions for software in the course of physics (part 1)			
		Edited by: VO Storozhenko and others. –Kharkiv: KhNURE, 2013152p.			
		2. Methodical instructions for software in physics (part 2) / Edited by: VO			
		Storozhenko and others. –Kharkiv: KhNURE, 2013140p.			
		3. Methodical instructions for laboratory work in physics. Part 2.			
		Electricity and magnetism. / Edited by: RP Orel and others Kharkiv:			
		KNURE, 2019 120p.			
		4. Methodical instructions for laboratory work in physics. Part 3. Optics.			
		Atomic physics and solid state physics / Emphasis. Malik SB etc			
		Kharkiv: KNURE, 2011.			
		5. Methodical instructions for computer laboratory work in physics./ O.M.			
		Kovalenko and others Kharkiv: KNURE, 2006-124p.			
		Information support:			
		http://physic.nure.ua			
		http://catalogue.nure.ua/knmz/?subdivision=24&level=0&query=undefine			
		d			
16.	Syllabus developer	Head of the Department of Physics Kovalenko Olena Mykolayivna,			
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