

ANNOTATIN
To TRAINING PROGRAM INSTITUTIONS HIGHER EDUCATION

Consolidation : 1-53 01 05 « Automated electric inputs »

	The form receiving higher education	
	full-time (daily)	Correspondence abbreviated
semeste	3, four	5, S
Лекции, часы	fifty	12
Practical (seminar) lessons, watch	32	8
Laboratory lessons, watch	Sb	12
classroom control Work (semester, watch)		6 (2 часа)
exzamen , semester	four	6
classroom hours on educational discipline	1S0	34
U independent Work, watch	b0	206
In this hours on educational discipline /test units		240/6

1. Brief content educational disciplines.

The discipline "Theoretical Foundations of Electrical Engineering" includes two blocks: the theory of electrical circuits and the theory of the electromagnetic field. The task of the discipline is from the teachings of one forms of matter— electromagnetic fields and his manifestations in various technical devices,

ISSLNDOVNNIN SOVJE N MNNO bsh MNTODOV MODNLIJEOW NNR FORCTJEOM NGNITN bsh PJEOSPCCOB, MNTODOV OHOR 3 H and calculation electrical chains and electromagnetic fields.

2. results learning.

AT result development educational disciplines student must

Call: the minimum basic set of ideal circuit elements; methods for compiling topological - logical equations of electrical circuits in a general form; signal representation methods ; in time and frequency areas; methods calculation electrical chains; main laws linear and non-linear electrical and magnetic chains; laws and theorems electromagnetic field.

Be able to: set and solve problems of analysis and synthesis of electrical and magnetic circuits of varying complexity; to form models of signals and circuit elements with a certain degree of idealization - qi and physical phenomena in real electrical devices; select and configure equipment, measuring appliances and other devices for fulfillment experimental

RESEARCHNNI AT ELICTJEIHN SKIS CIPHX SO PEOPLE HTB PJETV IUI H TECHNIQUES H3OP HCHOSTI PJEI JEH OTH FROM ELNK— troinstallations , competently conduct experimental research and right evaluate the results; to use modern means of computer technology in the performance of settlement and graphic works.

TRACK: ISTODNMI OHPANCAKEH FORCTJE HNISKIS CISING And ELICTJEOMYUGNITNSH FULLY MXTODNMI OPJENDLN— nia major parameters electrical chains.

3. Competences being formed: HHK—9 < Be able to calculate the characteristics of electrical circuits and electromagnetic fields"

four Requirements and forms currentea attestation: credit and exam (oral-written form) . For access to offset (exam) student according from the training program obliged to fulfill and protect laboratory work, a also individual tasks.