

ANNOTATION
To WORKING PROGRAM INSTITUTIONS HIGHER EDUCATION

Speciality: 1-38 80 01 "Instrument making"

Profiling : Technics and technologies non-destructive control

	The form receiving higher education	
	full-time (daily)	Correspondence
Well	1	1
Semester	1	1
lectures, clock	eighteen	four
Practical (seminar) lessons, clock	eighteen	four
credit, semester	1	1
classroom hours on educational discipline	36	8
Independent Job, clock	72	one hundred
Total hours on educational discipline/credits units	108/3	

1. Brief content educational disciplines.

The theory of experiment planning formulates techniques and methods optimal organization of experimental work in research and - research of objects of different physical nature. Application of methods and tricks this theories allows effectively, With least costssolve many practically important research tasks.

2. results learning.

AT result development educational disciplines student should **W nat:** Modern procedures choice numbers experiments and conditions themholding, necessary for solutions delivered tasks With requiredaccuracy; promising directions development technical funds and methodologies information and measuring systems; main tasksoptimization;

Be able to: Set goals for conducting experiments and determine conditions for their implementation; analyze the physics of the process, choose those x-nic funds, necessary for holding experiments; search and use literature and other sources of information; use -use computers to process measurement results and build mathematical models;

Own: Fundamentals of modeling physical processes; mathematical e - skim methods optimization and processing results experiments; main principles automation experiment.