PRE-GRADUATE PRACTICE

INTERNSHIP COURSE SYLLABUS
ABSTRACT

6-05-0716-03 Information and measuring devices and systems
(speciality code and name)

Information systems and technologies for non-destructive testing and diagnostics
(concentration)

	STUDY MODE		
	full-time	part-time	part-time (shortened program)
Year	4	-	4
Semester	8	-	8
Total course duration in hours / credit units	162/5		

1. Internship course outline (aims and objectives)

The purpose of the practice is further, more in-depth study of production, acquisition of skills in conducting experimental and theoretical research in the field of future professional activity and preparation of students for the completion of a diploma project.

The objectives of practice are to develop practical skills and abilities in the students in the studied academic disciplines, consolidate theoretical knowledge, and master primary skills in the chosen specialty.

2. Course learning outcomes

Learning outcomes:

– – to consolidate theoretical knowledge: about the organization of the technical control process at enterprises; about the organization of production, the placement of personnel involved in non-destructive testing; about the technical and economic indicators of production; about issues of labor protection and the environment;

– to master practical skills: to analyze the compliance of the methods, techniques and equipment used at the enterprise with modern requirements and to determine, on the basis of this analysis, the goals and objectives of the diploma project; to substantiate the advantages and disadvantages of analogues and prototypes of projects;

– to develop practical expertise: rational selection and study of initial data on the topic of the diploma project; in solving a real engineering problem or in researching a relevant scientific issue; the ability to conduct preliminary feasibility studies of projects.

3. Competencies. Ability to select technical means of non-destructive testing in accordance with the characteristics of the object.

4. Form of midcourse evaluation. Differentiated offset.