

DESIGN AND TECHNOLOGICAL 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	3	-	-
Semester	6	-	-
Total course duration in hours / credit units	162/4		

1. Internship course outline (aims and objectives)

The purpose of the practice is to consolidate the theoretical knowledge acquired by students in the study of general technical and specialized disciplines, to collect materials for course and diploma projects, as well as to further improve production skills acquired in the process of control and measurement practice. The objectives of design and technological 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 structure and purpose of production shops, non-destructive testing laboratory; metrology and standardization department; technical control department, the range of parts, welded units, as well as products subject to non-destructive testing;
- to master practical skills: evaluate the features of technological processes of casting, welding, thermal and mechanical treatment of products in order to analyze defects, the causes of their occurrence and measures to prevent them;
- to develop practical expertise: the use of non-destructive testing, devices and methods used at the enterprise.

3. Competencies. To apply physical methods, devices and control systems for power equipment with the greatest technical and economic effect

4. Form of midcourse evaluation. Differentiated offset