

CONTROL AND MEASUREMENT 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	2	-	-
Semester	4	-	-
Total course duration in hours / credit units	162/4		

1. Internship course outline (aims and objectives)

The purpose of control and measurement practice is to obtain and improve production skills necessary for further work in the specialty, as well as to acquire knowledge for more successful mastery of special disciplines and completion of coursework and projects. The objectives of control and measurement practice are to develop students' practical skills in the academic disciplines being studied, consolidate theoretical knowledge, and master primary skills in their chosen specialty.

2. Course learning outcomes

As a result of mastering control and measurement practice, the student must:

know: the structure and purpose of the enterprise and production shops, non-destructive testing laboratories; department of metrology and standardization; technical control department, an assortment of parts, welded assemblies, as well as products subject to non-destructive testing;

be able to: evaluate the features of technological processes of casting, welding, thermal and mechanical processing of products in order to analyze defects, the causes of their occurrence and measures to prevent them;

possess: practical skills and experience in the use of non-destructive testing, instruments and techniques used in the enterprise.

3. Form of midcourse evaluation

Differentiated offset