

BASICS OF SCIENTIFIC RESEARCH

ANNOTATION

TO THE CURRICULUM OF THE INSTITUTION OF HIGHER EDUCATION

Specialty 1-54 01 02 - Methods and instruments for quality control and diagnostics of the state of objects

Specialization 1-54 01 02 02 - Non-destructive testing of materials and products.

	Form of higher education
	Full-time (daytime)
Well	4
Semester	7,8
Lectures, hours	-
Practical lessons, hours	46
Report, semester	7,8
Classroom hours per academic discipline	46
Independent work, hours	86
Total / credits: 7 semester	132/6
8 semester	32/4
	14/2

1. Brief content of the discipline

The discipline contains information about terminology, content, principles, concepts, laws, specific features of scientific research, organization and management of scientific research, their methodology, mastering the skills of choosing a topic for scientific research, scientific research, mastering practical methods and techniques for conducting scientific research, analyzing their results. and their presentations.

2. As a result of training, the student must:

– to know the main provisions of the theory of knowledge; methods of the empirical level of research; methods of the theoretical level of research; main stages of scientific research; basic concepts and definitions.

- be able to conduct and formalize the results of information retrieval; choose the right measuring instruments for physical parameters; competently organize the conduct of experiments and obtain results; correctly draw up the results of scientific research; correctly summarize the results of experiments; prepare scientific reports, publications for conferences;

– have the skills to analyze literary sources; some methods of theoretical research; technique of physical experiment; methods for evaluating the results of experimental studies.

3. Competences to be formed: SC-10 "To be able to independently analyze the problem and conduct theoretical and experimental research."

4. Requirements and forms of the current certification: test (oral and written form).

In order to be admitted to the test, the student, in accordance with the curriculum, must complete and defend practical exercises, as well as individual tasks.