

THEORY OF MEASUREMENT
(name of academic discipline)

ANNOTATION
TO THE CURRICULUM OF THE INSTITUTION OF HIGHER EDUCATION

Specialty 7-06-0716-03 – Instrumentation

	Форма получения высшего образования	
	Очная (дневная)	Заочная
Course	1	1
Semester	1	1
Lectures, hours	34	8
Practical (seminar) classes, hours	34	8
Exam, semester	1	1
Classroom hours per academic discipline	68	16
Independent work, hours	148	200
Total hours per academic discipline /	216/6	

1. Summary of academic disciplines

The purpose of the discipline is to master the fundamentals of metrology, develop a system solution for measuring tasks, prepare for the development of applied disciplines devoted to methods and measuring instruments.

2. Learning outcomes

As a result of mastering academic disciplines, the student must

know: the main directions of the modern theory of measurements; currently known characteristics of the magnitude of the magnitude, procedures for transferring the magnitude of the magnitude from standards to reliable measurements of means (verification schemes);

be able to: build mathematical models of object measurements; error estimation of functions of approaching parameters; analyze climate measurements;

Possesses the skill: an idea of the products of constructing measurement functions of various physical quantities; skills in processing measurement results.

3. Formed competencies

Names of competencies being formed
Apply the theory of measurements in conditions of increasing complexity and the required accuracy of measuring instruments and tasks to be solved

4. Requirements and forms of current and intermediate certification.

The module-rating system of knowledge assessment is used. Exam.