TORAIGHYROV UNIVERSITY

QUALITY OBJECTIVES

Department of Physics, Mathematics and Instrumentation for the 2026–2027 academic year

Content of the objective	Criteria for achieving the objective
Functioning of the corporate management framework of the department of «Physics, Mathematics and Instrumentation»	– participating the teaching staff in the management of the department and faculty - 100%; – advanced training the teaching staff in the amount of at least 72 hours; – providing the department with regulatory and management documentation - 100%.
Ensuring the high quality of educational services provided in accordance with the best university practices	– participating students and teaching staff in the implementation of academic mobility; – attracting scientists from near and far abroad to conduct academic studies; – implementation of the educational process using distance learning technologies.
Ensuring high-quality methodological support of the educational process	– provision of the department's courses with electronic teaching and learning packages for the following educational programs: 6B05301 Physics, 6B05303 Technical Physics, 6B05401 Mathematics, 6B05402 Mechanics, 6B07112 Instrumentation, 7M05301 Physics, 7M05401 Mathematics, and 7M07105 Instrumentation – 100%; – using the interactive teaching methods in the educational process – 100%; – developing and publishing 3 textbooks. – syllabus update using ChatGPT Edu
Functioning of the educational process through the teaching staff research activities	– participating the teaching staff of the office in research work - 100 %; – publishing at least 10 scientific papers, including publications indexed in the international databases Scopus, Web of Science – 2; – increasing the volume of research on grant financing.

Content of the objective	Criteria for achieving the objective
Optimization of conditions providing cultural and moral education of students	– involving students into cultural and moral activities of the university - 85%; – participating teaching staff and students in volunteer activities – at least 3 events.
Development and provision of an optimal state of the department's material and technical base	– submission of applications for the purchase of laboratory facilities, repair and maintenance of computer equipment.
Student contingent forming of education programs	– participating the teaching staff in career guidance work - 100%; – development of booklets for the following educational programs: 6B05301 Physics, 6B05303 Technical Physics, 6B05401 Mathematics, 6B05402 Mechanics, 6B07112 Instrumentation, 7M05301 Physics, 7M05401 Mathematics, and 7M07105 Instrumentation; – employment of graduates from the department's educational programs: 6B05301 Physics, 6B05303 Technical Physics, 6B05401 Mathematics, 6B05402 Mechanics, 6B07112 Instrumentation, 7M05301 Physics, 7M05401 Mathematics, and 7M07105 Instrumentation – 100%.

Head of the Department of Physics, Mathematics and Instrumentation **A. B. Iskakova**

Agreed:
Member of the Management Board for Academic Affairs – Vice-Rector **R. Zh. Nurgozhin**