

Navoi State University – Theory and Methodology of Education (Primary Education)

Program Duration: 2 years

Mode of Study: Full-time

Program Code: 70110401

Total Workload: 120 ECTS credits

ECTS credits per semester: 30

Overview

The Master's degree program in **Theory and Methodology of Education (Primary Education)** (Program Code: 70110401) at Navoi State University is a two-year, full-time academic program comprising a total workload of 120 ECTS credits (30 ECTS per semester). The program is designed to prepare highly qualified primary education researchers, subject methodologists, curriculum developers, instructional designers, and higher education instructors equipped with advanced knowledge in primary school pedagogy, developmental psychology, modern interdisciplinary teaching frameworks, and innovative instructional methodologies for young learners.

The curriculum integrates theoretical studies in cognitive child development, primary literacy and numeracy methodologies, STEAM education, inclusive classroom strategies, and primary educational management. Students gain expertise in designing competency-based curricula, assessing student learning outcomes, developing interactive digital content, and managing primary education processes. The program places strong emphasis on modernizing Uzbekistan's primary education sector, implementing national primary education state standards, and fostering critical thinking, creativity, and foundational skills in young school children.

Graduates of this program are fully equipped to pursue careers as university lecturers, primary education research scholars, methodology specialists in education departments, primary school academic coordinators, curriculum developers, and educational consultants, as well as to continue their studies at the doctoral (PhD) level.

Assessment

A comprehensive and multi-component assessment system is applied in the Master's program in Theory and Methodology of Education (Primary Education) to ensure continuous learning, scientific rigor, practical pedagogical competence, and primary education research proficiency.

1. Course-based assessment

- **Presentations and seminars** – assess students' ability to analyze, present, and defend research on primary learning models, subject teaching methodologies, competency-based frameworks, and educational literature in academic settings.

- **Mini-tests, quizzes, and oral exams** – monitor understanding of core theoretical concepts, child developmental psychology, primary didactics, literacy/numeracy teaching techniques, and assessment methods.
 - **Midterm and final examinations** – evaluate theoretical depth, pedagogical diagnostic skills, and primary education problem-solving through written examinations and case-study analyses.
 - **Portfolio assignments** – compile primary school lesson plans, interdisciplinary learning kits, educational assessment rubrics, sample lecture modules, and research paper drafts demonstrating progressive skill development.
 - **Independent assignments** – encourage independent pedagogical literature reviews, comparative primary education system studies, instructional material design, and curriculum evaluation tasks.
2. **Research-based assessment**
- **Scientific Research Work (ITI)** – evaluated through research proposals, classroom experiment reports, learning outcome diagnostics, and defense of primary education research outcomes before the department.
 - **Scientific and Pedagogical Work (IPI)** – evaluated via teaching practice, preparation of university-level lecture materials, practical seminar guides, and academic reporting.
 - **Master’s Thesis (MD/M)** – evaluated based on scientific originality, pedagogical validity, practical relevance to primary education, thesis writing quality, and public defense before the State Attestation Commission.
3. **Practice-based assessment**
- **Educational and Pedagogical Practice** – evaluated through performance in primary schools, specialized educational centers, and pedagogical higher education institutions, accompanied by comprehensive practice reports.
 - **Pre-graduation practice** – assessed on the integration of theoretical/empirical primary education research findings and final thesis preparation.
4. **Work-integrated learning**
- **Primary Classroom Innovation & Design Projects** – assessed on pedagogical appropriateness, creative design, instructional effectiveness, and alignment with state primary education standards.

Academic Requirements

Admission Requirements—Applicants applying for the Master’s degree program in Theory and Methodology of Education (Primary Education) (Code: 70110401) must satisfy the following criteria:

- **Educational background** – A Bachelor’s degree (or equivalent qualification) in primary education, pedagogy and psychology, preschool education, or related educational/humanities fields from a recognized higher education institution.
- **Academic excellence** – Applicants holding an honors diploma (*imtiyozli diplom*) are eligible for preferential admission according to current regulations of the Ministry of Higher Education, Science and Innovation of the Republic of Uzbekistan.
- **Language proficiency** – A valid national or international certificate demonstrating at least B2-level foreign language proficiency (CEFR, IELTS, TOEFL, etc.) in English, Russian, or another recognized foreign language.

Graduation Requirements

To be granted the Master of Arts degree in Theory and Methodology of Education (Primary Education), students are required to:

- Complete all compulsory and elective modules specified in the curriculum, accumulating a total of **120 ECTS credits** (30 ECTS per semester).
- Maintain standard academic standing according to Navoi State University regulations (passing marks in all subjects).
- Successfully complete all practical trainings (teaching internship, primary school field practice, and pre-graduation practice) with positive performance evaluations.
- Fulfill all research requirements (Scientific Research Work and Scientific-Pedagogical Work).
- Prepare, submit, and successfully defend a **Master's Thesis** demonstrating independent primary education pedagogical research before the State Attestation Commission.
- Pass all required state attestation processes.

Courses Offered

Year 1

Compulsory:

- Research Methodology and Scientific Writing in Primary Education Pedagogy
- Reforms in the Education System under the Development Strategy of New Uzbekistan
- Theoretical Foundations and Modern Paradigms of Primary Education
- Cognitive Child Psychology and Learning Development in Primary School
- Innovative Methodologies of Teaching Primary Native Language and Mathematics

Elective:

- Comparative Primary Education and International Assessment Systems (PIRLS, TIMSS)
- Health-Saving Technologies and Physical Culture in Primary School
- Digital Educational Resources and EdTech Tools in Primary Research
- Regulatory Documents, State Educational Standards, and Quality Management in Primary Education
- Interactive Teaching Methods and Competency-Based Learning

Year 2

Compulsory:

- Management and Quality Assurance in Primary School Education
- Modern Approaches to Natural Science and Social Studies Methodology (Tarbiyaviy va Tabiiy Fanlar)
- Inclusive Primary Education and Differentiated Learning Strategies

Elective:

- STEAM Education and Project-Based Learning in Primary Classrooms
- Diagnostic Methods and Educational Assessment of Young Learners
- School-Family-Community Partnership and Upbringing Dynamics
- Professional Morality and Ethics in Academic and Educational Activity
- Children's Literature and Reading Culture Development
- Ethno-pedagogy and Value-Based Education in Primary School

- Design of Interactive Learning Materials and Digital Workbooks

Career Opportunities

Graduates of the Master's degree program in Theory and Methodology of Education (Primary Education) acquire deep theoretical, diagnostic, and methodological expertise, enabling them to pursue careers across educational, administrative, research, and publishing sectors:

- **University Lecturer / Assistant Professor of Primary Pedagogy** in higher education institutions, pedagogical institutes, and teacher professional development centers.
- **Methodology Specialist / Research Scholar** in primary education research institutes, national curriculum development centers, and educational laboratories.
- **Primary Education Methodologist / Inspector** in regional departments of the Ministry of Preschool and School Education (*Maktabgacha va maktab ta'limi boshqarmasi*).
- **Primary School Academic Director / Curriculum Coordinator** in state and private primary schools, specialized academies, and international schools.
- **Textbook & Learning Material Developer** in educational publishing houses, EdTech enterprises, and digital learning platforms specializing in primary education.
- **Educational Assessment Specialist** working on national and international learning achievement evaluations (e.g., PIRLS, TIMSS, national test centers).
- **Primary Education Consultant** providing professional advisory services on primary school readiness, curriculum enhancement, and instructional strategies.
- **Specialist in Inclusive Primary Education** designing adapted learning plans and support mechanisms for children with special educational needs.

Tuition Fees

- **For local students:** Approximate annual tuition – 9,700,000 UZS.
- **For international students:** Approximate annual tuition – 774.28 USD.

(Note: Tuition fees are subject to adjustment in accordance with university policy and foreign currency exchange rates.)

Learning Outcomes

Master's Degree in Theory and Methodology of Education (Primary Education)

Upon successful completion of the program, graduates will be able to:

1. Knowledge

- **1.1.** Demonstrate advanced knowledge of primary pedagogical theories, child cognitive psychology, learning development stages, and primary school didactics.
- **1.2.** Understand national primary educational standards, competency-based frameworks, international assessment paradigms (PIRLS, TIMSS), and interdisciplinary subject integration.
- **1.3.** Explain principles of inclusive primary education, differentiated instruction, health-saving technologies, STEAM methodology, and school-family partnership dynamics.
- **1.4.** Demonstrate knowledge of primary education research design, learning diagnostic tools, educational statistics, and classroom experiment modeling.
- **1.5.** Recognize national legislation, educational reform strategies, quality assurance frameworks, and ethical guidelines in Uzbekistan's school education sector.

2. Skills

- **2.1.** Perform comprehensive theoretical and empirical analyses of primary learning processes, cognitive growth, and primary educational methodologies.
- **2.2.** Design, implement, and evaluate primary school curricula, interdisciplinary learning kits, digital workbooks, and competency-oriented assessment rubrics.
- **2.3.** Develop higher-education course syllabi, lecture modules, practical seminar tasks, and evaluation tools for primary education methodology disciplines.
- **2.4.** Apply modern interactive teaching techniques, digital pedagogical tools, and child-centered instructional methods in academic and classroom settings.
- **2.5.** Prepare scientific research papers, academic reviews, methodological guidelines, primary school textbooks, and publishable research theses.
- **2.6.** Effectively present primary education research findings, curriculum strategies, and educational policies to academic boards, teaching staff, and public forums in national and foreign languages.

3. Competences

- **3.1. Primary Research & Methodological Competence** – Conduct independent, scientifically grounded, and student-centered research in primary school education and subject methodology.
- **3.2. Academic Leadership & Quality Competence** – Direct primary school academic departments, manage teacher methodology teams, and lead primary education quality improvement initiatives.
- **3.3. Methodological & Higher Education Competence** – Teach primary education subjects at higher education levels using interactive, reflective, and digital pedagogical methods.
- **3.4. Holistic Student Development Competence** – Foster critical thinking, foundational literacy/numeracy, moral-spiritual values, and creative abilities in primary school children.
- **3.5. Professional Ethics & Educational Integrity** – Uphold high standards of academic honesty, child rights protection, equity, and ethical responsibility in educational and research practices.
- **3.6. Lifelong Learning Competence** – Continuously upgrade qualifications, adopt global primary education innovations, and actively participate in national and international educational conferences and professional networks.