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## TECHNOLOGICAL LITERACY AND THE CULTURE OF PROSPECTIVE ELEMENTARY AND PRESCHOOL TEACHERS

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**Director of the school – Ivan Smoliuk, Ph. D.,** Doctor of Pedagogical Sciences, Full Professor, Head of the LUEENU Department of Pedagogy.

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**Area of scientific research:** technology within the structure of the modern pedagogical process.

**Scientific output of I. Smoliuk.** 100 research works have been published, including two monographs and fifty-five articles.

**Research supervision of the following Ph. D. theses:**

*Machulka R.* Economics-related training of teenagers in the educational process of urban schools (1996).

*Sushyk N.* Utilizing Pedagogical Technology in the Development of Humanistic and Vocation-related Qualities of Future Professionals (1996).

*Sobchuk O.* Technology for Economics-related Education of Pupils in Later Adolescence (1997).

*Melnuk T.* Training Future Biology Teachers Regarding the Instilling of Patriotism in Schoolchildren (1997).

*Kormina L.* Providing Adolescents with Ideological Knowledge through the Teaching/Learning Process (1998).

*Roiko L.* Stimulating Cognitive Activity in Preparatory-department Students who are Oriented towards the Teaching Profession (1998).

*Gunko S.* Developing a Knowledge Base Regarding Information Technology in Prospective Elementary-school Teachers (1999).

*Yasinska N.* Developing sensitivity to environmental issues in teachers within the postgraduate educational system (2001).

*Yatsyuk S.* Facilitating the Incorporation of Computerized Teaching Tools into the Training of Students in the Field of Medically-oriented Technology (2006).

*Strikhar O.* The Foundation in Theory and Methodology for Training Teachers to Develop the Creative Abilities of Pupils in the Integration of Music Education (2015).

**Summary.** This research school has as its goal the generalization of scientific approaches to the essence of technological literacy, and the culture of future primary-school teachers of initial classes and educators in preschool establishments. It also targets promotion, dissemination and implementation in the preparation of future professionals in modern innovative technologies, the improvement of technological literacy, and the culture of prospective teachers.

**Scientific activity of the school.** The laws of the development of pedagogical technology have been investigated as a threefold process overall which consists of the theoretical foundation of its development, the specifics of the transformation of ideas relating to education, and the profession-related education of students. This can be carried out through the mechanism of non-technical personal development and modern technical innovations. It has been

demonstrated that complexity of organization, multiplicity of functionalities, openness and non-linearity are the main characteristics of educational technology. Based on a technological approach, improved methods of logic-based learning in higher education institutions were developed, providing new high-quality training for future professionals in the field of education.

### Members of the School

**Nataliia Sushyk**, Ph. D. in Pedagogy, Associate Professor in the LUEENU Department of Post-Secondary Pedagogy and Social Work.

*Area of scientific research:* the pedagogical inculcation of humanistic profession-oriented values in future professionals.

**Larysa Kormina**, Ph. D. in Pedagogy, Associate Professor in the LUEENU Department of Pedagogy.

*Area of scientific research:* forming an ideological knowledge base in adolescents during the process of academic and perceptual activities.

**Stepan Hunko**, Ph. D. in Pedagogy, Associate Professor in the LUEENU Department of Post-Secondary Pedagogy and Social Work.

*Area of scientific research:* formation of an information technology knowledge base with respect to in prospective primary school teachers

