

**MINISTRY OF EDUCATION AND SCIENCE OF UKRAINE
WEST UKRAINIAN NATIONAL UNIVERSITY
FACULTY OF SOCIAL AND HUMANITIES**

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WORKING PROGRAM

for the discipline
«INNOVATIVE EDUCATION TECHNOLOGIES»
(in English)

The degree of higher education - master
Field of knowledge - 01 Education/Pedagogy
Specialty - 013 Primary education
Educational and professional program - Primary education

Department of Educology and Pedagogy

Form of teaching	Year	Semester	Lectures (hours)	Practice (hours)	IST (hours)	Training (hours)	ISW (hours)	Together (hours)	Exam (sem.)
FTS	1	2	32	14	5	6	93	150	2
PTS	1	2	8	4	-	-	138	150	2

Ternopil - 2024

**STRUCTURE OF THE WORK PROGRAM OF THE ACADEMIC DISCIPLINE
"INNOVATIVE EDUCATION TECHNOLOGIES"**

1. Program Description

Discipline – "Innovative education technologies"	Branch of knowledge, specialty, SHE	Characteristics of the academic discipline
The number of ECTS loans - 5	Field of knowledge: 01 Education/Pedagogy	discipline status – optional Language of study - English
Number of credits modules – 4	Specialty - 013 Primary Education Educational and professional program - Primary education.	Years of preparation: Full time student (FTS)- 1 Part time student (PTS) - 1 Semester: FTS - 2 PTS - 2
Number of content modules – 2	The degree of higher education - master	Lectures: FTS - 3 2 hours. PTS – 8 hours Practical classes: FTS – 14 hours PTS – 4 hours
Total hours - 150		Independent work: FTS- 93 hours PTS – 138 hours Individual work: FTS- 5 hours. PTS - 6 hours. Final control - exam

2. The purpose and task of studying the discipline

Discipline "Innovative educational technologies " directed on professional preparation specialists taking into account need further modernization domestic systems multi-level education designed to train a new generation of scientific and pedagogical personnel for higher schools with pronounced professional and pedagogical potential, ability and desire to self-realize in the conditions of transformational transformations .

2.1. Goal study disciplines

The purpose of studying an academic discipline is provide general pedagogical and professional preparation future specialist , teach students thorough knowledge of the theoretical foundations of modern innovative pedagogy, to form skills and skills necessary for the organization of the educational process in the conditions of education reform.

2.2. Task study disciplines

As a result of studying the discipline "Innovative educational technologies", students should:

- know theoretical and practical foundations innovative technologies;
- to gain insight into the methodological foundations and didactic principles of innovative education;
- know basic and applied educational technologies; a complex of software and technical tools, methods and organizational measures that allow effectively implement the principles of innovative education;
- apply innovative learning technologies in order to organize and implement the educational and scientific process;
- work with information in global computer networks, use the skills of public speaking, leading a discussion.

2.3. Prerequisites for study disciplines

Studying the course requires the availability of systematic and thorough knowledge of related disciplines (philosophy of science, empirical methods in scientific research, pedagogy, psychology), purposeful work on the study of specialized literature, the use of information and communication technologies for searching, processing, analyzing and using information from different sources, activity in lectures and practical classes, independent work and performance of individual tasks.

3. Discipline Program

Content module 1

The essence of Innovative technologies in education and science

Topic 1. Technologies in educational sphere: varieties, content and features

Essence and relationship of concepts "education technology", "pedagogical technologies", "teaching technologies". Traditional education technologies: purpose, means, positive acquisitions and application limits. Traditions and innovations in

pedagogical sphere

Topic 2. Innovative technologies: concept, content, conditions of implementation.

Concepts of "innovation", "innovatics", "innovative technology". Types of innovations in education and their classification. Features of an innovatively oriented approach in education. Modern information and communication technologies in the educational process. Innovative technologies as research.

Topic 3. Technologies in personally - oriented educational process

Requirements for person-oriented technologies, their main goals and tasks. Developmental learning technology. A feature of all forms organization of training in the system of developmental training. Success motivation technology. Coaching as a learning technology: essence, purpose, purpose and application task.

Topic 4. Innovative technologies in education system

Problem-based learning technology. Levels of difficulty and scientific research methods. Technology for the development of critical thinking. Critical thinking as a prerequisite for creative research activity .

Content module 2

Formation of educational innovation space, introduction of innovative technologies into the educational process

Topic 5. Psychological and pedagogical essence interactive methods teaching

Technology collective and group training. Technology business game. Technology situational modeling. Kinds situational modeling and their characteristics .

Topic 6. Technologies analysis situations and cerebral assault in the context of mastering the content of innovative educational technologies

Case technology. Cerebral assault in educational process Bank pedagogical ideas as an organizational form of the innovative educational process.

Topic 7 . Application remote and media technologies teaching as innovation in educational process

Organization of the educational process in higher education in conditions of digital transformation of education. Perspectives of distance learning in the conditions of the information society. Tools SMART education . Peculiarities of implementation of SMART education in Ukraine. Implementation of distance learning based on modern technologies.

Topic 8 . Technology of formation creative personality

Creativity and creative abilities of a person. The problem of forming a creative personality. Human creative abilities and problems of creative personality formation. Creative technologies of education and training. Technologies of life design and self-realization of the individual. Creative teacher: the main ones features and levels of creative pedagogical activity.

4. The structure of the discipline credit module

Topics	Number of hours						IRS	Training
	Lectures		Practical classes		Independent work			
	FTS	PTS	FTS	PTS	FTS	PTS		
Content module 1. Substantial content innovative technologies in education and science								
Topic 1. Technologies in o light sphere: varieties, content, features	4		2		10	15		
Topic 2. Innovative technologies: concept, content, conditions of implementation	4	2	2	2	10	15	2	
Topic 3. Self -sustaining technologies educational process	4	2	2		10	15		
Topic 4. Innovative technologies in education system	4		2		10	15		
Content module 2. Formation of educational innovation space, introduction of innovative technologies in the educational process								
Topic 5. Psychological and pedagogical the essence of interactive teaching methods	4		2	1	10	19	1	
Topic 6 . Techniques of situation analysis and brainstorming in the context of mastering the content of innovative educational technologies	4	2	2	1	13	19	2	
Topic 7 . Application remote and media technologies teaching as an innovation in educational process	4	2	1		15	20		
Topic 8 . Forming technology creative personality	4		1		15	20		
<i>In total</i>	32	8	14	4	93	138	5	6

5. Subject of practical classes

Purpose: deepening knowledge in the field innovative technologies in education and science; formation basic skills: skill determine and develop readiness to modern educational activities; designing educational technologies; implementation of planning, organization and implementation of modern innovative learning technologies; software effective communication in the process of implementation modern educational technologies; compliance ethical principles communication in training; ability to evaluate adopt and distribute experience innovative activity in education; adapt educational activities to the requirements and conditions of the educational process; autonomously and proactively use modern educational technologies in educational activities.

Carrying out practical classes provides using industry standards higher education of Ukraine.

Content module 1

Substantial content of innovative technologies in education and science

Practical class 1 (2 hours)

Topic: Technologies in educational sphere: varieties content, features

Purpose: isolation differences between concepts "educational technology", "pedagogical technologies", "teaching technologies"; features of the fundamental differences between traditional and innovative approaches to the educational process; characteristic features of technological processes in education.

Question for discussion :

1. Technological approach to the educational process: content, features, modern significance.

2. Development of learning technology in the global educational space in the 20th century - on beginning of the 21st century.

3. Differences between concepts "educational technology", "pedagogical technologies", "technology teaching".

4. Essence pedagogical innovators

5. Principled differences traditional and innovative approach in training

6. The main ones position theories Y.F. Herbart.

7. General characteristic pedocentric systems J. Dewey.

8. Characteristic signs innovations in education XXI century.

Problematic question:

1. Comment on A. Einstein's statement: "You can't teach anything, you can only learn." Express a detailed opinion on this matter.

2. Draw conclusions about trends in the development of innovative processes in education in general and in professional education in particular.

3. What understand under innovation in education?

4. What are the characteristic features of technological processes in education and how are they related to learning technologies?

5. How are innovations specified in each specific component of the educational process: target, substantive, procedural, technological, evaluation, as well as in the integral design of this process?

6. What are the fundamental differences between the proposed ways of updating the training of future teachers and the traditional ones?

7. Carefully analyze your university experience, impressions from lectures and practical classes. Elements of which didactic systems preserved in modern domestic higher education? Try to present the results of your analysis using a diagram, table.

Practical class 2 (2 hours)

Topic: Innovative technologies: concept, content, conditions of implementation.

Purpose: deepening knowledge in the field of innovative content of educational activity; consideration of promising directions of educational innovation under the conditions of professional training and features of innovation-oriented approach in education.

Question for discussion :

1. Innovative processes as the mechanism of intensive development of higher education.
2. Concept "innovation", "innovations", "innovative technology".
3. Kinds innovations in education and their classification.
4. Promising directions educational innovations for conditions of professional training.
5. Features innovatively oriented approach in education
6. Modern informational and communicative technologies in education
7. Innovative technologies as research.

Problematic question:

1. Which ones conditions necessary consider at innovative approaches to teaching?
2. How do innovative learning technologies encourage new didactic approaches to the organization of the educational process in higher education?
3. What personal qualities and character traits do innovative technologies shape in students?
4. Find out the conditions for the effectiveness of innovative processes in the education system.

Practical class 3 (2 hours)

Topic: Technologies personally - oriented educational process

Purpose: basic formation skills personally oriented and developmental training; familiarization with the tasks, content, means, conditions of application of success motivation technology.

Question for discussion :

1. Requirements to person-oriented technologies, their the main ones goals and task.
2. Personal - oriented teaching: essence and the main ones requirements to his carrying out.
3. Problems developmental teaching in Ukrainian pedagogical science
4. Features application technologies developmental teaching in higher school
5. Goal, task, content, means, conditions application technologies motivation success
6. Coaching as technology teaching: essence, goal and task application

Problematic question:

1. Technology developmental teaching: essential content
2. Feature everyone forms organizations teaching in system developmental training
3. Technology motivation success
4. IN boundaries technologies "Creation situations of success" is applied such pedagogical reception as a "cold shower". Consider the conditions and limits of it application. For which categories students this reception will be effective, and for which, on the contrary, inappropriate?
5. Appointment coaching as technologies teaching.

Practical class 4 (2 hours)

Topic: Innovative technologies in system education

Purpose: familiarization with specificity innovative technologies in system of professional education

Question for discussion :

1. Technology problematic teaching.
2. levels problems and scientific methods research .
3. What differs solution problematic situations from analysis specific situations?
4. The main ones signs critical thinking. Prerequisites and means formation of critical thinking.
5. Technology development critical thinking.
6. Critical thinking as prerequisite research creative activity

Problematic question:

1. Can every difficult task be considered an educational problem task?
2. IN why you see the advantages and disadvantages of the problematic technology training for future teachers?
3. How does the use of problematic technology in the educational process contribute to the formation of learning motivation?
4. Explain why, in your opinion, the teaching method should be based on problems methods, provide reflexive and meaningful activity those who teach and those who learn?
5. Prove What need in self-aware, self-expressive self-determination, as well as need in self-regulation activity and creative activity have to be dominant in the context of the theory of critical thinking in the learning process.

Content module 2

Formation of educational innovative space, introduction of innovative technologies in the educational process

Practical class 5 (2 hours)

Topic: Psychological and pedagogical essence of interactive training methods (1 hour)

Purpose: familiarization with theoretical and practical principles of interactive learning technologies.

Question for discussion:

1. Purpose, task, content, means, conditions application technologies "collective and group method of learning".
2. Goal, task and content technologies situational modeling.
3. Kinds technologies situational modeling. Conditions expediency their application.
4. The main ones principles business games
5. Application games in educational process .
6. Technology situational modeling.

Problematic question:

1. Choose one of the professionally oriented disciplines that you studied, remember it general content, list of main topics and problems. Consider what topics would be interesting and productive to use situational modeling technologies to study?
2. Which ones key concepts trace single out the organizer at planning business games?
3. Kinds situational modeling and their characteristic .

Practical class 6 (2 hours)

Topic: Techniques of situation analysis and brainstorming in the context of mastering the content of innovative educational technologies

Purpose: familiarization with specifics of case technology: stages of preparation and

methodology.

Question for discussion:

1. Case technology.
2. Stages analysis specific situations
3. Cerebral assault in educational process .
4. Stages carrying out "cerebral assault" .
5. Bank pedagogical ideas as organizational a form of innovation educational process

Problematic question:

1. Case technologies contribute to socialization modern young people orientation on the formation of skills. Whose exactly?
2. Disadvantages case technologies in application in university
3. IN why V i you see methodical value case technologies teaching?
4. Which one must be preparatory work the teacher at created cases?
5. Which ones practical skills and skill you can formulate in students thanks to case technology?
6. Main function "cerebral assault".

Practical class 7 (2 hours)

Topic: Application of distance and media learning technologies as an innovation in the educational process.

Purpose: familiarization with specificity application remote and media technologies of learning as an innovation in the educational process.

Question for discussion :

1. Organization educational process in higher school in conditions digital transformation of education
2. Prospects remote teaching in conditions informative society.
3. Tools SMART education .
4. Features implementation SMART education in Ukraine .
5. Realization remote teaching on basis modern technologies.

Problematic question:

1. Which ones trends and prospects remote teaching in conditions informative society?
2. The process creation educational media environments in institutions higher education: advantages and disadvantages.
3. Analyze efficiency introduced i Internet technologies for independent student's work while learning educational courses.

Topic: Technology of formation creative personality

Goal: formation personal and professional creativity; separation creative technologies education and training.

Question for discussion :

1. Art and creative abilities a person
2. Creative abilities a person and problems formation creative personality
3. Creative technologies teaching and education.
4. Technologies vital about projecting and self-realization personality
5. Creative teacher: the main ones features and levels creative pedagogical activity

Problematic question:

1. Art and creativity : comparative characteristic.
2. IN Why consist of problems formation creative personality teacher, scientist?

6. Independent work

In the structure of a student's study load according to the ECTS system, independent work is also considered as one of the main components of education and should occupy about half of his study load.

Independent work is a type of extracurricular independent work of a student of an educational, educational-research, or practical -constructive nature, which is used in the process of studying the program material of the educational course and is completed together with the completion of the final exam or credit from the given educational discipline.

The methodology of the learning process and, accordingly, the assessment of the student's knowledge involves orientation to the individually differentiated and personally oriented form and organization of the student's self-education.

Independent work on the discipline "Innovative educational technologies" is performed independently by each student in the form of micro-teaching. Micro-teaching is carried out using selected innovative technology on one of the topics chosen by the student, which is divided into several logically completed parts. Each part must be presented orally by the student in such a way as to: throughout the performance evenly distribute his attention among all those present in the audience and maintain their attention; choose the most appropriate form of presentation for a specific situation; use various language techniques; to emotionally convey the content of the proposed material to the listening and viewing audience.

Structure :

- introduction - the topic, purpose is indicated (didactic, developmental, educational) and tasks of work and its main provisions;
- theoretical justification - presentation and explanation basic theoretical provisions, laws, principles, algorithms, etc., on the basis of which the task is performed; methods (at performance practical, settlement, modeling works) - work methods are indicated and briefly characterized;
- the main part (concise presentation of the main material and methodical instructions for its study);
- applications (diagrams, drawings, models, descriptions, didactic tasks, business and role-playing games, methods of conducting them, etc.);
- conclusions;
- list of references

Order presentation and protection:

1. The report on the performance of independent work is submitted in the form of an essay with a title page of a standard sample and internal content with an indication of all items of the content of the task (volume of 10–20 sheets) and the electronic medium of the presentation of the lecture or practical session.

2. The abstract is submitted to the teacher no later than 2 weeks before the credit class.

3. The grade for independent work is given at the final practical occupation from the course based on preliminary protection by means of micro-teaching (up to 30 min.) and the

student's oral report on the completed work (up to 5 minutes).

4. The assessment for independent work is a mandatory component of the credit assessment and is taken into account output final evaluations with educational course Independent work is evaluated on a 100-point scale.

No.	Subject
1.	Features application technologies developmental teaching in higher school
2.	Application technologies "Creation situations success" domestic and foreign experience
3.	Features application technologies "Creation situations success" in higher school
4.	Features application technologies coaching in higher school
5.	Methods problematic teaching and methods promptly managed educational process
6.	Formation and opportunities using critical thinking
7.	Diagnostics equal critical thinking, technologies and techniques its development
8.	Receptions and methods critical thinking
9.	Application technologies situational modeling at preparation future teachers
10.	Structuring educational material at modular technologies teaching
11.	National program informatization of Ukraine proactive implementation informative technologies in industry education
12.	Characteristic modular development technology
13.	Characteristic problem-modular technologies
14.	Main trends and prospects remote teaching in conditions informative society
15.	Creation educational media environments in from akladi higher education
16.	Introduction Internet technologies for independent work student at assimilated educational courses
17.	Formation basics scientific creativity students in process implementation innovative methods teaching
18.	About is ktna technology in educational process
19.	Problem formation creative personality
20.	The main ones trends and prospects remote teaching in conditions informative society
21.	Creation educational media environments in institutions higher education
22.	Introduction Internet technologies for independent work student at assimilated educational courses
23.	Development of innovative learning technologies in crisis situations
24.	Peculiarities of implementing innovative educational activities in crisis situations

7. Organization and carrying out of training

– Learning and using the coaching method as a means of facilitating, helping students to find their own solutions in any difficult professional situation, as a tool for

optimizing human potential and effective activity.

- Innovative optimization of the educational process, organization of feedback during practical classes.

- Software receiving skills public speech and discussing

- The application of Socrates ' methods (heuristic conversation) as one of the most effective ways to provide feedback in the audience, motivation for reflection, activation of educational and cognitive, search activities students

8. Assessment tools and methods of demonstrating learning outcomes

In the process of studying the discipline " Innovative education technologies ", the following evaluation tools and methods of demonstrating learning results are used: standardized tests; current survey; credit module testing and survey; cross-cutting projects; team projects; presentations of the results of completed tasks and research; evaluation of the results of independent work; training; student presentations and performances at scientific events; rector's control work; exam; other types of individual and group tasks.

9. Criteria, forms of current and final control

In the process of studying the discipline " Innovative educational technologies ", the following methods of evaluating the student's academic work are used on a 100-point scale:

- current survey;
- modular control;
- trainings;
- independent work;
- exam

Final score (on a 100-point scale) in the discipline "Innovative educational technologies" is defined as a weighted average value, depending on the specific weight of each credit component:

Module 1		Module 2	Module 3	Module 4
20%	20%	5%	15%	40%
Current rating*	Modular control**	Trainings	Independent work	Exam
Arithmetic average of the scores obtained during the survey at each practical session.	Modular control work (topics 1-8)	Evaluation for the completed task	Evaluation for the completed task	Theoretical question 1 – max . 25 points Theoretical question 2 – max. 25 points Tests (25 tests) - max . 50 points.

* Evaluation for the current evaluation is defined as the arithmetic average of the evaluations received during classes (each student must be evaluated in each practical session). Missing practical classes must be worked out during consultation hours, otherwise they are considered a grade of "0" and are taken into account when determining the arithmetic average. For applicants who study according to an individual schedule, current assessment is carried out during consultations and by completing tasks in the Moodle

system .

** The modular control work is conducted in Moodle and consists of two parts: test tasks (20 tests, max . 80 points) and one theoretical question (max . 20 points).

Scale assessment:

According to the scale of the University	By national scale	By scale ESTS
90-100	Perfectly	A (perfectly)
85-89	Good	B (very good)
75-84		C (good)
65-74	Satisfactorily	D (satisfactory)
60-64		E (enough)
35-59	Unsatisfactorily	FX (unsatisfactorily with possibility repeated drafting)
1-31		F (unsatisfactorily with mandatory repeated course)

11. Tools, equipment and software, the use of which provides for the educational discipline

No	Name	Number topics
1.	Individual student work	1 – 8
2.	Electronic version of lectures	1 – 8
3.	Electronic version of final tests	1 – 8
4.	Electronic teaching and methodical complex of disciplines	1 – 8

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