

**MINISTRY OF HEALTH OF UKRAINE**

**ODESSA NATIONAL MEDICAL UNIVERSITY**

Department of philosophy, bioethics and foreign languages

**CONFIRM**

Vice-Rector for scientific and pedagogical work

\_\_\_\_\_ Eduard BURYACHKIVSKY

01 February 2023 year

**METHODOLOGICAL RECOMMENDATIONS  
FOR THE SEMINAR CLASSES ON THE EDUCATIONAL DISCIPLINE**

Medical faculty, 1st year

**BASICS OF PEDAGOGY IN HIGHER EDUCATION**

**Confirmed** at the meeting of the Department of Philosophy, Bioethics and Foreign Languages of Odesa National Medical University

Protocol № 8 dated 20.01.2023

Head of the department



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Volodymyr KHZANZHY

**Developers:**

prof. KHZANZHY V.B., assoc.prof. Lyashenko D.M.

## Seminar classes № 1-3

### Topic 1:

Pedagogy and its place among scientific disciplines. General concepts of pedagogy. Subject matter and object of study. Pedagogy in Higher Education (*6h*)

**Purpose:** formulation the subject matter of pedagogy in relation to subject matters of different sciences. Delineation of the basic branches of pedagogy and its functions.

**Basic notions:** object of study, subject matter, agent-subject, natural sciences, social sciences, humanities, formal sciences, pedagogy, learning, studying, education.

**Inventory:** board, marker, tests.

### Plan:

1. **Organizational measures** (greeting, presence check, notification of the topic, the purpose of the lesson, motivation of higher education students regarding the study of topics).
2. **Control of the reference level of knowledge** (written work, written test, frontal questioning on basic terminology, etc).
3. **Questions (test tasks) to check basic knowledge on the topic of the seminar:** different file.

### Discussion of theoretical issues:

**Topic 1:** Pedagogy and its place among scientific disciplines. General concepts of pedagogy. Subject matter and object of study. Pedagogy in Higher Education.

1. Notions of the object of study and the subject matter. Epistemological situation.
2. Classification of sciences in relation to their object of study.
4. Subject matters of different sciences.
5. Object of study of pedagogy.
6. Subject matter of pedagogy.
7. Functions of pedagogy.
8. General concepts of pedagogy.
9. Relation of pedagogy to science, religion, and arts.
10. Philosophical foundations of modern pedagogy.

### 2. Essays:

- ✓ *Pedagogy as scientific discipline.*
- ✓ *Why study pedagogy?*
- ✓ *What is pedagogy?*
- ✓ *Philosophy of pedagogy*
- ✓ *Pedagogy in medicine*
- ✓ *What kind of science is (if at all) pedagogy?*
- ✓ *Pedagogy: art or science?*

### 3. Summing up:

- a) Epistemological situation on pedagogy.
- b) Classification of sciences.
- c) The place of pedagogy among other discipline.
- d) Concepts of pedagogy.
- e) Philosophical foundations of all systems of knowledge.
- f) Pedagogy and higher education.

#### **Recommended literature:**

1. Transforming Higher Education Through Universal Design for Learning : An International Perspective – Bosa Roca, United States, 2019. – 370 p.
2. Mike Sharples. Practical Pedagogy : 40 New Ways to Teach and Learn – Publisher Taylor & Francis Ltd London, United Kingdom, 2019. – 254 p.
3. Capra F., Luisi P.l. The systems view of life: a unifying vision / F. Capra, P.L. Luisi. – Cambridge: Cambridge UP, 2019. – 510 p.
- 4 Lakoff G., Johnson M. Philosophy in the flesh: the embodied mind and its challenge to western thought / G. Lakoff, M. Johnson. – New-York: Basic books, 2017. – 624 p.

#### **Electronic information resources**

1. <https://repo.odmu.edu.ua/xmlui/>
2. <https://info.odmu.edu.ua/>
3. <https://plato.stanford.edu/index.html>
4. <https://iep.utm.edu/>

## Seminar classes № 4-5

### Topic 2:

Philosophical and scientific basics of process of learning (*4h*)

**Purpose: explore philosophical and scientific basics of learning, consider basic concepts in learning and education.**

**Basic notions:** knowledge, learning, education, epistemology, short- and long-term memory, type of learning, sociobiology.

**Inventory:** board, marker, tests.

### Plan:

- 1. Organizational measures** (greeting, presence check, notification of the topic, the purpose of the lesson, motivation of higher education students regarding the study of topics).
- 2. Control of the reference level of knowledge** (written work, written test, frontal questioning on basic terminology, etc).
- 3. Questions (test tasks) to check basic knowledge on the topic of the seminar:** different file.

### Discussion of theoretical issues:

#### Topic 2: *Philosophical and scientific basics of process of learning*

1. Philosophical basics of education and its general concepts.
2. Epistemology of education. Concept of knowledge. Concept of learning.
3. Ontology of education. What is knowledge? Where does it exist?
4. Axiology of education. The value of knowledge and education. Can be knowledge be bad? Value of accessibility of education.
5. Neurobiological concept of learning. Knowledge from neurobiological point of view. Sociobiological basics of learning.
6. Cultural and social basics of learning. Society as a teacher.
7. Western and Eastern way of learning.
8. Neurobiological and social foundations of inequality of education.

#### 4. Essays:

- ✓ *Usage of knowledge.*
- ✓ *Moral value of knowledge.*
- ✓ *Hippocampus and memory?*
- ✓ *The problem of memorizing.*
- ✓ *How to learn/teach better?*
- ✓ *Society and education?*
- ✓ *Value of education in my culture.*

#### 5. Summing up:

- a) Epistemological situation on pedagogy.
- b) Axiology in pedagogy.

- c) Neurobiological basics of learning.
- d) Concepts of pedagogy.
- e) Culture, society and education.

#### **Recommended literature:**

1. Transforming Higher Education Through Universal Design for Learning : An International Perspective – Bosa Roca, United States, 2019. – 370 p.
2. Mike Sharples. Practical Pedagogy : 40 New Ways to Teach and Learn – Publisher Taylor & Francis Ltd London, United Kingdom, 2019. – 254 p.
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## Seminar classes № 6-7

### Topic 3:

### Education as a system. Theories of education. (4h)

**Purpose:** to make acquaintance with system approach, apply it to pedagogy, analyze education as a system.

**Basic notions:** system, system approach, concept, structure, substrate, complexity, levels of education, theory of education.

**Inventory:** board, marker, tests.

#### Plan:

- 1. Organizational measures** (greeting, presence check, notification of the topic, the purpose of the lesson, motivation of higher education students regarding the study of topics).
- 2. Control of the reference level of knowledge** (written work, written test, frontal questioning on basic terminology, etc).
- 3. Questions (test tasks) to check basic knowledge on the topic of the seminar:** different file.

#### Discussion of theoretical issues:

### Topic 3: Education as a system. Theories of education.

1. Definition of a system.
2. History of systemic approach.
3. Education as a system. Concept, structure and substrate of education.
4. Systemic view on pedagogy.
5. Complexity of pedagogy.
6. Theory of learning and education.

#### Essays:

- ✓ *System approach in medical education.*
- ✓ *Complexity of medical education.*
- ✓ *Educational system around the world.*
- ✓ *What would I change at my university?*

#### Summing up:

- a) The benefit of systemic approach to education.
- b) Systemic characteristics of education.
- c) Goals of education.
- d) Theory of education and their application.

#### Recommended literature:

1. Transforming Higher Education Through Universal Design for Learning : An International Perspective – Bosa Roca, United States, 2019. – 370 p.

2. Mike Sharples. Practical Pedagogy : 40 New Ways to Teach and Learn – Publisher Taylor & Francis Ltd London, United Kingdom, 2019. – 254 p.
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## Seminar classes № 8-9

### Topic 4:

Semiotics of education. Teacher-students communication. (4h)

**Purpose:** describe general concept of semiotics, analyze the process of learning as semiotic process, consider two different approaches to education.

**Basic notions:** semiotic, sign, signified, signification, semiotic triangle, language, symbolic interactionism, competential approach, knowledge-centered approach.

**Inventory:** board, marker, tests.

### Plan:

1. **Organizational measures** (greeting, presence check, notification of the topic, the purpose of the lesson, motivation of higher education students regarding the study of topics).
2. **Control of the reference level of knowledge** (written work, written test, frontal questioning on basic terminology, etc).
3. **Questions (test tasks) to check basic knowledge on the topic of the seminar:** different file.

### Discussion of theoretical issues:

**Topic 4:** Semiotics of education. Teacher-students communication.

1. Notion of semiotic and its general concepts.
2. Definition of sign.
3. Structure of sign.
4. Description of symbolic interactionism.
5. Language as an essential basics for education.
6. Approaches to education.
7. Teacher-students communication as exchange of symbols.

### Essays:

- ✓ *Sign and language.*
- ✓ *Development of semiotics.*
- ✓ *Symbolic interaction in education.*
- ✓ *Significance of definition.*
- ✓ *General scientific concepts.*
- ✓ *Competential vs knowledge-centered approaches to education.*

### 6. Summing up:

- a) Semiotics in education.
- b) Sign as element of knowledge.
- c) Semantic triangle.
- d) Language and education.
- e) Concepts of pedagogy.
- f) Approaches to education.

### **Recommended literature:**

1. Transforming Higher Education Through Universal Design for Learning : An International Perspective – Bosa Roca, United States, 2019. – 370 p.
2. Mike Sharples. Practical Pedagogy : 40 New Ways to Teach and Learn – Publisher Taylor & Francis Ltd London, United Kingdom, 2019. – 254 p.
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## Seminar classes № 10-11

### Topic 5:

Cultural and social aspects of education. (4h)

**Purpose:** analyze social and cultural basics of education, reveal cultural and social problems higher education.

**Basic notions:** value of knowledge, culture, society, social stratification.

**Inventory:** board, marker, tests.

### Plan:

- 1. Organizational measures** (greeting, presence check, notification of the topic, the purpose of the lesson, motivation of higher education students regarding the study of topics).
- 2. Control of the reference level of knowledge** (written work, written test, frontal questioning on basic terminology, etc).
- 3. Questions (test tasks) to check basic knowledge on the topic of the seminar:** different file.

### Discussion of theoretical issues:

**Topic 5:** Cultural and social aspects of education.

1. Notions of the culture and society.
2. Stratification of society.
4. Cultural value of knowledge and education.
5. Cultural differences of education.
6. Higher education as social and cultural phenomenon.
7. Social functions of education.
8. Social and cultural problems of education.
9. The problem of inequality of education.
10. Education institution as a service.

### Essays:

- ✓ *Stratification of society in education*
- ✓ *Social and cultural significance of education among the world.*
- ✓ *The way to solve the problem of inequality within an educational system.*
- ✓ *Service role of higher education.*
- ✓ *Higher education and science.*

### 2. Summing up:

- a) Cultural and social situation on pedagogy.
- b) Strata and classes of society.
- c) Higher education as social and cultural phenomenon.
- d) Social and cultural problems and their solutions in higher education.

### **Recommended literature:**

1. Transforming Higher Education Through Universal Design for Learning : An International Perspective – Bosa Roca, United States, 2019. – 370 p.
2. Mike Sharples. Practical Pedagogy : 40 New Ways to Teach and Learn – Publisher Taylor & Francis Ltd London, United Kingdom, 2019. – 254 p.
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## Seminar classes № 12-13

### Topic 6:

Pedagogy in medical education and medical practice. Ethics in education. Teacher-students communication. (4h)

**Purpose:** review pedagogical issues in medical education.

**Basic notions:** pedagogy in medicine, ethics, teacher, student, communication.

**Inventory:** board, marker, tests.

### Plan:

**1. Organizational measures** (greeting, presence check, notification of the topic, the purpose of the lesson, motivation of higher education students regarding the study of topics).

**2. Control of the reference level of knowledge** (written work, written test, frontal questioning on basic terminology, etc).

**3. Questions (test tasks) to check basic knowledge on the topic of the seminar:** different file.

### Discussion of theoretical issues:

**Topic 6:** Pedagogy in medical education and medical practice. Ethics in education. Teacher-students communication.

Different way to understand pedagogy. Features of Pedagogy. Levels of Education. Concept of the Higher Education. Pedagogy in Higher Education. Theoretical and practical aspects of Pedagogy. Pedagogy as a Theory of Education. Characteristics of Pedagogy in Higher Medical Education

1. Different way to understand pedagogy.
2. Features of pedagogy in medicine.
3. Higher medical education.
4. Characteristics of Pedagogy in Higher Medical Education.
5. Higher education of medical students.
6. The basics of pedagogical skills for medical practitioners.

### Essays:

- ✓ *Problems of higher medical education*
- ✓ *Theory and practice in higher medical education.*
- ✓ *Innovation in higher medical education.*
- ✓ *Does medical practitioner need pedagogy?*
- ✓ *Higher medical education and science.*

### Summing up:

- a) Pedagogy in higher medical education.
- b) Problems in higher medical education.
- c) Basic pedagogical skills in medicine.
- d) Structure of higher medical education

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2. Mike Sharples. Practical Pedagogy : 40 New Ways to Teach and Learn – Publisher Taylor & Francis Ltd London, United Kingdom, 2019. – 254 p.
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