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FACULTY OF PHARMACY

STUDY PROGRAM 0916.1 PHARMACY

CHAIR PHILOSOPHY AND BIOETHICS

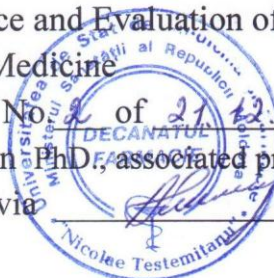
APPROVED

at the meeting of the Commission for Quality Assurance and Evaluation of the Curriculum faculty Medicine

Minutes No. 2 of 21.12.2017

Chairman PhD., associated prof.

Uncu Livia



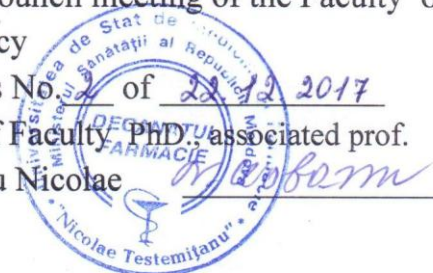
APPROVED

at the Council meeting of the Faculty of Pharmacy

Minutes No. 2 of 22.09.2017

Dean of Faculty PhD., associated prof.

Ciobanu Nicolae



APPROVED

at the meeting of the chair of Philosophy and Bioethics

Minutes No. 01 of 01.09.2017

Head of chair PhD., associated prof.

Ojovan Vitalie

CURRICULUM

DISCIPLINE ANTHROPOLOGY AND PHILOSOPHY OF MEDICINE

Integrated studies

Type of course: **Compulsory**

Chisinau, 2017



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I. INTRODUCTION

- General presentation of the discipline: place and role of the discipline in the formation of the specific competences of the professional / specialty training program

Philosophy and anthropology of medicine is a philosophical-humanistic discipline with wide interference in real (natural) sciences. Studying this subject will reveal future doctors and pharmacists the universalism of philosophical and anthropological thinking, will allow them to know the fundamental problems of human and solutions dedicated to those offered in terms of philosophical-anthropological argumentation to form their own solutions to discover humanitarian valences in medicine and the confluence of philosophical -antropological thinking and medical activity. Anthropology of medicine is an interdisciplinary field of knowledge about health systems that existed and exist in different societies, about forms and traditions to treat diseases and models of medical care, about the cultural context of medical practices, diversity of sociocultural issues in the production of medical and pharmaceutical knowledge and so on. It is an indispensable field considering that medical students do not have systematic and methodological knowledge in the fields of general anthropology, philosophical anthropology and, as in the present course, medical anthropology. Studying this course will enable the development of preliminary knowledge and the creation of the necessary skills for the deliberation and confrontation of cultural-civilizational, social and moral problems encountered in and out of the clinic and pharmacy.

In the process of initiating students in this discipline, they will focus on their prior knowledge of the general human values, the specific ethno-moral intuitions that are specific to each human being, and the amount of medical knowledge already possessed by the students.

The efficient acquisition of the discipline presupposes the presence of knowledge in the humanist but also natural subjects obtained at the pre-university stage.

- Mission of the curriculum (aim) in professional training

The main objective of the course is to study the fundamental problems of the philosophy of medicine and medical anthropology from a historical and systemic point of view (paradigmatic); the acquisition of the key philosophical-anthropological categories; creating the skills to develop the philosophical-anthropological discourse and its logical-conceptual analysis.

- Languages of the course: English, Romanian.
- Beneficiaries: students of the I year, faculty Medicine 1 and 2.

II. MANAGEMENT OF THE DISCIPLINE

Code of discipline	U.03.O.033
Name of the discipline	Anthropology and philosophy of medicine
Person(s) in charge of the discipline	PhD., associated prof. Vitalie Ojovanu PhD., associated prof. Anatolie Eșanu PhD., associated prof. Didina Nisteanu



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Year	II	Semester/Semesters	3
Total number of hours, including:			90
Lectures	17	Practical/laboratory hours	
Seminars	34	Self-training	39
Form of assessment	CD	Number of credits	3

III. TRAINING AIMS WITHIN THE DISCIPLINE

At the end of the discipline study the student will be able to:

- *at the level of knowledge and understanding:*

- to know the functions, methods and main problems and stages of development of philosophy and general, philosophical, and medical and pharmaceutical anthropology;
- to understand the meaning of the ontological (metaphysical) concept of "reality" through the perspective of multiple philosophical interpretation; to identify the conceptual and factual (biological) link between physical and mental reality;
- to know the essence of determinism (especially causal relationship) and the possibilities of (non) justification of freedom under the rigid conditions of determination.
- to understand the epistemological concepts of "knowledge", "foundation of knowledge", "truth" and "method";
- to know the forms and laws of logical thinking.

- *at the application level:*

- build coherent and logically grounded speeches;
- to analyze events and phenomena in terms of causal relationship;
- to apply the exigencies of the correct (logical) thinking in the development of definitions, judgments and reasoning;
- to establish truthfulness of arguments (reasoning and discourse as a whole) by applying the epistemological criteria of truth;
- to solve ethnic, civil, social, cultural, moral dilemmas of the situation through reflection on general human-philosophical-anthropological values and principles.

- *at the integration level:*

- to assess the relevance of philosophy and anthropology in the context of medicine and pharmacy;
- to appreciate the significance of medical achievements in the development of philosophy and anthropology;
- to establish the integrity of the philosophical-anthropological discourse in the context of the wide variety of topics, ideas and theories studied;
- to constructively and creatively use the acquired knowledge;
- to appropriately assess the value of the subject matter studied;
- to objectively assess the level of knowledge and skills gained.

IV. PROVISIONAL TERMS AND CONDITIONS



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Student of the second year requires the following:

- ✓ knowledge of the language of study;
- ✓ confirmed competences in lyceum / college (philosophy, history, civic education, sociology, etc.);
- ✓ digital skills (Internet use, document processing, electronic tables and presentations, use of graphics programs);
- ✓ communicate and team work skills;
- ✓ qualities - tolerance, empathy, autonomy.

V. THEMES AND ESTIMATE DISTRIBUTION OF HOURS

Lectures, practical hours/ laboratory hours/seminars and self-training

No. d/o	THEME	Number of hours		
		Lecture s	Practica l hours	Self- training
1.	Introduction to philosophy. Philosophical approach to medicine and pharmacy.	3	6	8
2.	Ontology: biomedical implications.	2	4	6
3.	Knowledge and its specifics in medicine and pharmacy.	2	4	5
4.	Ethics and medicine.	2	4	4
5.	Human problem in philosophy. Introduction to anthropology. Anthropological fields.	2	4	4
6.	Basic concepts of medical anthropology.	2	4	4
7.	Ethnological and ethnographic approach to medical anthropology.	2	4	4
8.	Anthropology of the body. Health, sickness, normality, abnormality.	2	4	4
Total		17	34	39
		90		

VI. OBJECTIVES AND CONTENT UNITS

Objectives	Content units
Theme 1. Introduction to philosophy. Philosophical approach to medicine and pharmacy.	
<ul style="list-style-type: none"> • To define philosophy and its role in human life; • To know the components and fields of philosophy; • To reveal the philosophy and its aspects related to medicine; • To demonstrate the value of 	1. Philosophy as a field of study and as a human's way of being.
	2. Problems and fields of philosophy.
	3. Value of philosophy.
	4. Method in philosophy.



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Objectives	Content units
<p>philosophy in medical activity;</p> <ul style="list-style-type: none"> • To form skills of applying philosophy as a way of being human; • To show creative spirit in approaching multi-faceted subjects in theoretical and clinical medicine; • To integrate philosophical knowledge into social and pharmaceutical practice. • To apply philosophical methods in the argumentation of professional, social and moral decisions; <p>To determine the role of critical thinking in the context of education and pharmaceutical activity.</p>	5. Analytical methods.
	6. Hermeneutical methods.
	7. Argumentation.
	8. Philosophy and medicine/pharmaceutics.
	9. Essential stages in the evolution of philosophy, medicine and pharmacy.
Theme 2. Ontology: biomedical implications.	
<ul style="list-style-type: none"> • to know the main ontological concepts; • to reveal the forms of existence; • to understand the meaning of the philosophical categories of space, time and movement; • to delimit the notions of objective reality and subjective reality; • to conceive the notions of consciousness, conscious and unconscious; • to identify the main functions of consciousness; • to be able to critically analyze the manifestations of the human psyche, the unconscious, and their role in medicine and pharmacy; • to determine the value and place of knowledge about 	1. Ontology.
	2. What is existence.
	3. Types of existence.
	4. The notion of substance and matter.
	5. Attributes of matter.
	6. What is consciousness?
	7. Aspects of consciousness.
	8. Structure of consciousness.
	9. Self-awareness.



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Objectives	Content units
consciousness in forming the future physician and pharmacist.	10. Forms of social consciousness.
Theme 3. Knowledge and its specifics in medicine and pharmacy.	
<ul style="list-style-type: none"> • to define the "knowledge" category; • to identify the main components of the knowledge process; • to know the specifics of knowledge in pharmaceutics; • to demonstrate the theoretical and practical importance of logic, dialectics and synergetics; • to apply performing methods of knowledge in practice. 	1. Knowledge as an object of philosophical analysis.
	2. Subject and object of knowledge.
	3. Empirical and rational knowledge.
	4. The problem of truth in philosophy and medicine. Establishing the diagnosis.
	5. Medical thinking between objectivity and subjectivity.
	6. Types of knowledge methods.
	7. The role of logic in the knowledge process. Logic and medical thinking.
	8. Dialectics, laws and categories, the importance of their knowledge for medicine and pharmacy.
	9. Synergetics.
Theme 4. Ethics and medicine.	
<ul style="list-style-type: none"> • to know the concepts of morality, ethics and bioethics; • to know the normative theories of virtue, deontological and consequentialist theories; • to know and apply the principism as a method of solving moral dilemmas in medical activity; • to integrate knowledge about ethics and bioethics into the formative objectives of the course. 	1. The concepts of morality, ethics and bioethics.
	2. The specificity and the current manifestation of ethics and bioethics in medicine.
	3. Normative theories of morality: theories of virtue, deontological theories, and consequentialist theories.
	4. Methods of making moral decisions in medical practice.



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Objectives	Content units
	5. Principles in contemporary medical practice: the principles of autonomy, benevolence, non-maleficence, justice, vulnerability and integrity.
Theme 5. Human problem in philosophy. Introduction to anthropology. Anthropological fields.	
<ul style="list-style-type: none"> • to define the problem of man in philosophy and medicine; • to know some philosophical and medical-scientific works; • to demonstrate the interconnection: human philosophy - contemporary medicine, specifying the subject of study of human philosophy and medicine; • to integrate philosophical and medical knowledge to apply to difficult issues; • to know the basic concepts of anthropology, as well as various manners of anthropological argumentation; • to identify areas of anthropology from a comparative perspective. 	1. Man as an object of study in philosophy and medicine.
	2. Man as a biological, mental and social integrity.
	3. Human health - a supreme social value.
	4. Concepts of life, health, illness.
	5. Man's relation to nature, society, culture, divinity.
	6. The establishment of anthropology.
	7. Dimensions of philosophical anthropology.
	8. Evolution of anthropological studies on health and disease.
Theme 6. Basic concepts of medical anthropology.	
<ul style="list-style-type: none"> • to define the concepts of anthropology of medicine; • to know the important moments of the evolution of anthropology of medicine as a field of study and activity; • to prove the problems of anthropology of medicine; • to apply skills for the application of anthropological - medical theories in making professional, social, moral 	1. The social and humanitarian dimension of medicine.
	2. The specific of anthropology of medicine.
	3. Anthropology of medicine: history of discipline.



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Objectives	Content units
<ul style="list-style-type: none"> • decisions on case studies; • to integrate skills for applying anthropological-medical concepts; • to develop creative skills to address the topics proposed; • to understand the role of anthropological-medical theories in taking professional, social, moral, cultural-civilization; • to determine the value and place of anthropological-medical knowledge in the context of education and farmaceutice activity. 	4. The design of the content of anthropology of medicine.
	5. Diversity of representations about disease.
	6. Disease experts: healers and doctors, pharmacists.
	7. Types of medical systems: exclusive, tolerant, integrative.
Theme 7. Ethnological and ethnographic approach to medical anthropology.	
<ul style="list-style-type: none"> • to define medical anthropology and notion of health, disease through ecological-ethnographic approach; • to know the main trends, authors, theories of philosophy, ecology and ethnology to conceive the integrity of man and his perceptions of health and illness; • to demonstrate skills to identify the cultural aspect of the disease by putting into practice a system of cultural remedies; • to integrate knowledge from general anthropology, medical anthropology, ecology, ethnography and apply them in pharmaceutical practice. 	1. Health and disease in the optics of medical anthropology.
	2. Significance of ecological approach to health problems, illness, healing and prevention in medical anthropology.
	3. Cognitive-medical anthropology.
	4. Critical medical anthropology and its concepts of: health, illness, suffering experience, medical system, medical pluralism, biomedicine, medicalisation and medical hegemony, syndemy (totality of epidemics).
	5. Medical systems of pre-industrial societies: ethnomedicine, ethnopsychiatry, ethnopharmacology.
Theme 8. Anthropology of the body. Health, sickness, normality, abnormality.	
<ul style="list-style-type: none"> • to define the frame of reference of the phenomenological approach 	1. Phenomenology - current methodological and theoretical approach in the medical anthropology of the body.



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Objectives	Content units
<ul style="list-style-type: none">in medical anthropology;to know the basic problems / subjects of the phenomenological approach to health and disease;to demonstrate the ability to distinguish between representation and body experience;to apply knowledge about body experiences in other disciplines;to understand the importance of the subject in vocational training, integrating the knowledge gained in the individual professional profile.	2. Body representations.
	3. Experiences / bodily experiences.
	4. Body experiences in disease and health.
	5. Lived body of normality and abnormality.
	6. Corporality and gender differences.
	7. Traumatic lived body: suffering and death.

VII. PROFESSIONAL (SPECIFIC (SC)) AND TRANSVERSAL (TC) COMPETENCES AND STUDY FINDINGS

✓ Professional (specific) (SC) competences

PC1. Knowledge of the theoretical bases of the disciplines included in the faculty curriculum, of the general principles in the elaboration, analysis and registration of pharmaceutical and para-pharmaceutical products; knowledge of the general principles of organization and functioning of pharmaceutical institutions with different legal forms of activity; knowledge of the legislative framework in the field of pharmacy; knowledge of the pharmacist's rights and obligations.

✓ Transversal competences (TC)

✓ Study findings

Upon completion of the course the student will be able to:

- to distinguish the components and interconnections within the philosophy of medicine and anthropology;
- to identify a conceptual and informational manner / methodology for the successful study and practice of pharmacy;
- maintain a clear professional position in certain difficult situations;
- establish perspectives in the easy assimilation of philosophical and anthropological knowledge by future medical and pharmaceutical specialists;
- to make constructive decisions in difficult situations with patients or colleagues;
- to improve the techniques and strategies, types and models of communication in professional activity and in everyday life;



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- to appreciate the value and necessity of the theoretical and medical knowledge in the realization of the medical act and pharmaceutical assistance;
- characterize the conditions and the way to promote healthy lifestyle.

STUDENT'S SELF-TRAINING

No.	Expected product	Implementation strategies	Assessment criteria	Implementation terms
1.	Working with books and ICT.	<p>Work systematically in the library and audiovisual services.</p> <p>Exploring the current electronic sources on the topic under discussion.</p>	<p>1. Quality of formed judgments, logical thinking, flexibility.</p> <p>2. The quality of the systematization of the informational material obtained through its own activity.</p>	During the semester
2.	Essays	<p>Analysis of relevant sources on the topic of the paper.</p> <p>Analysis, systematization and synthesis of information on the proposed theme.</p> <p>Compilation of the paper in accordance with the requirements in force and presentation to the chair.</p>	<p>1. The quality of systematization and analysis of the informational material obtained through its own activity.</p> <p>2. Concordance of information with the proposed theme.</p>	During the semester
3.	Case study analysis.	<p>Choice and description of the case study</p> <p>Analysis of the causes of the issues raised in the case study.</p> <p>Prognosis of the case investigated.</p> <p>Deduction of the expected outcome of the case.</p>	<p>1. Analysis, synthesis, generalization of data obtained through own investigation.</p> <p>2. Formation of an algorithm of knowledge based on the obtained conclusions.</p>	During the semester

VIII. METHODOLOGICAL SUGGESTIONS FOR TEACHING-LEARNING-ASSESSMENT

- ***Teaching and learning methods used***

The lecture consists of an interactive exposition of the course's basic content. The student's seminar and extra-curricular activity involves the application of a variety of methods as follows: heuristic conversation, problem-solving, brainstorming, group work, individual study, debate, problem solving, role play, case study.

- ***Applied (specific to the discipline) teaching strategies / technologies***

Study of document texts; role plays; case study; computer assisted training.

- ***Methods of assessment (including the method of final mark calculation)***



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Current: frontal and / or individual control by:

- ✓ Evaluation of the level of involvement of students and their quality in the accomplishment of the current tasks;
- ✓ Evaluating answers (students' arguments and decisions) to questions of problem situations or case studies;
- ✓ Evaluation of the control work.

Final: Differentiated colloquium.

Final test - oral test consisting of 3 questions: one question for assessing knowledge and two questions for competence assessment.

Answers are scored in grades 0 to 10 in accordance with national knowledge and competence assessment regulations. The annual average is formed from the sum of all grades divided by the number of accumulated notes.

The final grade will be calculated from the annual average score (coefficient 0.5) and the final grade score (coefficient 0.5).

Method of mark rounding at different assessment stages

Intermediate marks scale (annual average, marks from the examination stages)	National Assessment System	ECTS Equivalent
1,00-3,00	2	F
3,01-4,99	4	FX
5,00	5	E
5,01-5,50	5,5	
5,51-6,00	6	
6,01-6,50	6,5	D
6,51-7,00	7	
7,01-7,50	7,5	C
7,51-8,00	8	
8,01-8,50	8,5	B
8,51-8,00	9	
9,01-9,50	9,5	A
9,51-10,0	10	

The average annual mark and the marks of all stages of final examination (computer assisted, test, oral) - are expressed in numbers according to the mark scale (according to the table), and the final mark obtained is expressed in number with two decimals, which is transferred to student's record-book.

Absence on examination without good reason is recorded as "absent" and is equivalent to 0 (zero). The student has the right to have two re-examinations.

**IX. RECOMMENDED LITERATURE:***A. Compulsory:*

1. Dicționar de Filosofie și Bioetică. Chișinău: Medicina, 2004.
2. Baci Adina. Îndrumar de antropologie medicală. București: Ed. univ. „Carol Davila”, 2010.
3. Bălăceanu-Stolnici Constantin, Glavce Cristina. Antropologia între știință și cultură. București: Ed. Pro Universitaria, 2011.
4. Breton David Le. Antropologia corpului și modernitatea. Timișoara: Ed. Amarcord, 2002.
5. Iftimovici Radu. Istoria medicinei. București: Ed. ALL, 1994.
6. Iliescu Vasile, Dinulescu Ion. Bazele filosofice ale medicinei. O epistemologie de la șamanism la genetică. Cluj-Napoca: Editura Dacia, 2003.
7. Ojovanu V. (coord.). Filosofia medicinei (cu elemente de bioetică medicală): Suport de curs. Chișinău: CEP „Medicina”, 2017.
8. Ojovanu Vitalie. Axiologia și medicina: dimensiuni teoretico-metodologice. Chișinău: UASM, 2012.
9. Ifrim Mircea (sub red.). Tratat de antropologie medicală, morfo-funcțională, motrică, culturală și metapsihologică. București: Ed. Vremea, 2015.
10. Țirdea T.N. Bioetică: teorie și practică. Chișinău: CEP Medicina, 2016.
11. Шевченко Ю. Л. (под ред.). Философия медицины. Москва: Ед. ИГ ГЭОТАР-Медиа, 2004.
12. Callahan Daniel. The roots of bioethics: health, progress, technology, death. Oxford: Oxford University Press, 2012.
13. Cole Thomas R., Carlin Nathan S., Carson Ronald A. Medical humanities. An introduction. Cambridge: Cambridge University Press, 2015.
14. Dawson Angus(ed.). Public health ethics: key concepts and issues in policy and practice. Cambridge: Cambridge University Press, 2011.
15. Gifford Fred (ed.). Handbook of philosophy of science. Philosophy of medicine. Amsterdam: Elsevier, 2011.
16. Hausman Daniel M. Valuing health: well-being, freedom, and suffering. Oxford: Oxford University Press, 2015.
17. Rachels James, Rachels Stuart. The elements of moral philosophy. New York: McGraw-Hill Educations, 2015.
18. Stumpf Samuel Enoch, Fieser James. Philosophy: a historical survey with essential readings. New York: McGraw-Hill Educations, 2012.

B. Additional

1. Baer, Hans, Singer, Merrill, & Susser, Ida. Medical Anthropology and the World System. Westport: CT, Praeger, 2003
2. Beauchamp, T., Childress, J. Principles of Biomedical Ethics. Oxford: Oxford University Press, 2001.
3. Marcum James A. An introductory Philosophy of Medicine: Humanizing Modern Medicine. New York: Springer, 2008.
4. Marga A. Introducere în filosofia contemporană. Iași: Polirom, 2002.
5. Massé R. Éthique et santé publique: Enjeux, valeurs et normativité. Laval: Les Presses de l'Université Laval, 2003.
6. McElroy Ann, Townsend Patricia K. Medical anthropology in ecological perspective. Philadelphia: Westview Press, 2009.
7. Pool, R and Geissler, W. Medical Anthropology. Buckingham: Open University Press, 2005.



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8. Stroe Constantin. Filosofie. Cunoastere. Cultura. Comunicare. Bucuresti: Lumina Lex, 2000.
9. Ларионова И.С.Философия здоровья.Учебное пособие.Москва: Гардарики, 2007.
10. Медицинская антропология: проблемы, методы, исследовательское поле. Москва: ООО „Публицити”, 2015.
11. *Михель Д.В.* Социальная антропология медицинских систем: медицинская антропология: учебное пособие. Саратов: Научная книга, 2010.
12. Петухов А.Б., Никитюк Д.Б., Сергеев В.Н. Медицинская антропология: анализ и перспективы развития в клинической практике. Москва: Изд-во „Медпрактика-М”, 2015.
13. Хрисанфова Е.Н., Перевозчиков И.В. Антропология. 4-е изд. Москва: Изд-во Моск. ун-та: Наука, 2005.
14. Цырдя Ф. Н., Берлинский П.В.Философия (С курсом биоэтики). Кишинэу: „Medicina”, 2002.