Ministry of Healthcare of Ukraine Poltava State Medical University

Department of Psychiatry, Narcology and Medical Psychology

SYLLABUS

<u>General Medical Training (ophthalmology, neurology, including neurostomatology,</u> <u>dermatology, venereology, psychiatry, narcology, medical psychology, physical</u> <u>rehabilitation, sports medicine, endocrinology)</u>

(name of the discipline) Compulsory discipline

(compulsory / selective discipline)

level of higher education

field of knowledge specialty academic qualification professional qualification academic and professional program mode of study course(s) and semester(s) of study of the discipline the second (master's) level of higher education 22 «Healthcare» 221 «Dentistry» Master of Dentistry Dentist «Dentistry» full-time 4 year, 8 semester

Module 4. Psychiatry, Narcology

INFORMATION ABOUT LECTURERS WHO DELIVER THE ACADEMIC DISCIPLINE

Surname, name,	Vadym O. Rud, Associate Professor, MD, PhD	
patronymic of the lecturer	Lesia A. Bodnar, Associate Professor, MD, PhD	
(lecturers), scientific	Dmytro I. Boiko, Associate Professor, MD, PhD	
degree, academic title	Pavlo V. Kydon, Assistant, MD, PhD	
Profile of the lecturer	https://psychiatry.pdmu.edu.ua/team	
(lecturers)		
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MAIN CHARACTERISTICS OF THE ACADEMIC DISCIPLINE The scope of the academic module

Number of credits / hours – 1 / 30, of which: Lectures (hrs.) – 4Practical classes (hrs.) – 16Self-directed work(hrs.) – 10Type of control: Final module control

The policy of the academic discipline

When organizing the educational process, teachers and students act in accordance with the normative documents of Ukraine and the Poltava State Medical University in accordance with Regulation on the organization of the educational process at Poltava State Medical University (<u>https://www.pdmu.edu.ua/n-process/department-npr/normativni-documenti)</u>.

Poltava State Medical University is an independent and responsible higher education institution in decision making concerning the development of academic freedoms, organization of the educational process, internal management, economic and other activities, independent selection and placement within the limits established by the Law of Ukraine "On Higher Education" (<u>https://zakon.rada.gov.ua/laws/show/1556-18/print1382613528661298#Text</u>).

Study of the Module 4. "Psychiatry, narcology" requires: preparation for practical classes; performing independent work in accordance with the work program of the discipline; development of recommended basic, supporting literature, information resources.

Preparation and participation in practical classes involves: familiarization with the syllabus of the discipline and thematic plans of practical classes; study of theoretical material; performing the tasks proposed for self-study.

The result of preparation for the class should be the acquisition by students of theoretical knowledge of practical skills of primary diagnosis, treatment, prevention of mental disorders, psychosocial rehabilitation of patients with mental disorders. The response of the applicant must show signs of independence of the tasks, lack of repetition and plagiarism.

Assessment control measures for student learning include ongoing and final control of students' knowledge, skills and competences in accordance with Regulation on the organization and methods for assessment of educational activities of higher education recipients at Poltava State Medical University.

The control measures are based on the principles of: compliance with higher education standards; the use of a standardized and unified knowledge-based diagnostic system; determination of evaluation criteria; objectivity and transparency of control technology. The teacher necessarily evaluates the success of each student at each class on a four-point (traditional) scale using the cycle-approved assessment criteria for the relevant discipline, designed with standardized generic student assessment criteria.

The final module control is carried out after studying the module program in the discipline and is carried out at the last lesson of the module.

Higher education providers are required to respect the honor and dignity of others; Responsible for their duties, timely and conscientiously fulfill the tasks stipulated in the curricula, plans, educational and scientific programs; be present at all training sessions, except for duly justified reasons (missed classes must be worked out in accordance with Regulation on retaking missed classes and making up unsatisfactory grades by the recipients of higher education at Poltava State Medical University (https://www.pdmu.edu.ua/storage/department-

npr/docs_links/NMQ6RVrpAGYuKpw1JoSJaApnMMMwbKdxQN9FC2hu.pdf).

Higher education providers are required to make effective use of study time to achieve educational goals; do not use sources of information (oral (prompts), written (works by others), printed (books, manuals), electronic (phones, tablets) prohibited by the teacher during the control measures in accordance with Regulation on the academic integrity of recipients of higher education and employees of Poltava State Medical University

(https://www.pdmu.edu.ua/storage/n_process_vimo/docs_links/V7NzyqhQzHq53eACy2H YlG1IeuxV42DvO1Eq9tPA.pdf).

Encourage or charge may apply to higher education applicants who faithfully fulfill the requirements listed or systematically violate them in accordance with Regulation on the financial incentives for academic success of students at Poltava State Medical University (<u>https://www.pdmu.edu.ua/storage/app/public/department-</u> npr/docs_links/RmhZx0Lx1V0c6zZkg1mCkcW6omo3enMM4uB6C5bT.pdf).

Description of the module (summary)

The Module 4. Psychiatry, Narcology continues the study of human mental activity, concentrating already at the pathological level; provides the formation of skills to apply the knowledge of psychiatry and narcology in the course of further education and in professional activity; lays the foundations for a physician to understand a mentally ill person, to form a healthy lifestyle and to prevent mental function disorders in the course of life and in various diseases.

Pre-requisites and post-requisites of the academic module (interdisciplinary links)

Pre-requisites:

- medical biology (to know the etiology, pathogenesis and diagnosis of hereditary diseases, the life cycle of the simplest, worms, arthropods that can cause or transmit CNS diseases);

- human anatomy (to know the structure of the CNS); - biological and bioorganic chemistry (to know the biochemical processes that underlie the pathogenesis of mental disorders, the biochemical disorders that are caused by mental disorders);

- physiology (to know the physiological processes of CNS functioning); - microbiology, virology and immunology (to know biological features of microorganisms that can cause CNS diseases, immunological hypotheses of etiology of mental disorders);

- pathomorphology (to know pathomorphological changes that are caused by mental disorders);

- pathophysiology (to know the pathophysiological processes that underlie the etiology and pathogenesis of mental disorders);

- radiology (to know principles of work of neuroimaging methods of examination; to be able to diagnose organic pathology of CNS on the basis of data of neuroimaging methods of examination);

- pharmacology (to know the groups of psychotropic drugs, their representatives, pharmacokinetics, pharmacodynamics, indications and contraindications for the purpose, features of use, dosage, signs of side effects and overdose, interaction with other pharmacological drugs);

- GMT: Medical psychology (to know psychic spheres, methods of researching the psychological state of a person, classification of psychosomatic disorders, psychological aspects of addictive and suicidal behavior, basic methods of psychotherapy in the work of a general practitioner, to be able to investigate the psychological state of a person, to determine the type of personality accentuation, to diagnose psychosomatics prevention and early recognition of suicidal behavior);

- prevention of smoking, drug addiction, alcoholism (to know the classification and general mechanisms of action of psychoactive substances, concepts of use and dependencies, diagnostic criteria, basic principles and methods of treatment of chemical addictions);

- basics of psychotherapy in the practice of a dentist (know the general principles, types and methods of psychotherapeutic interventions in dental practice).

Post requisites: forming competencies to apply knowledge of psychiatry and narcology in the course of further study of disciplines: obstetrics, otorhinolaryngology, internal medicine, specialized dental disciplines.

The aim and tasks of the academic module:

- the aim of studying the Module 4. Psychiatry, Narcology is to acquire students theoretical knowledge of the practical skills of primary diagnosis, treatment, prevention of mental disorders, psychosocial rehabilitation of patients with mental disorders, including those caused by the admission of psychoactive drugs.

- the main tasks of studying the Module 4. Psychiatry, narcology are to study the etiology, pathogenesis, types of course and clinical manifestations of mental and psychosomatic disorders, in accordance with the standard of the educational program, to determine the preliminary diagnosis of mental and psychosomatic disorders, tactics of psychiatric patients using methods of psychiatry mental and psychosomatic disorders.

Competences and learning outcomes in accordance with the academic and professional program, the formation of which is facilitated by the module (integral, general, special)

integral:

- ability to solve complex problems and problems in the field of health care in the specialty "Dentistry" in a professional activity or in the learning process, which involves research and / or innovation and is characterized by uncertainty of conditions and requirements.

general:

1. Ability to abstract thinking, analysis and synthesis.

2. Knowledge and understanding of the subject area and understanding of professional activity.

3. Ability to apply knowledge in practice.

4. Ability to communicate in the state language both orally and in writing.

5. Ability to communicate in English. Ability to use international Greco-Latin terms,

abbreviations and cliches in professional oral and written speech.

6. Skills in the use of information and communication technologies.

7. Ability to search, process and analyze information from various sources.

8. Ability to adapt and act in a new situation.

9. Ability to identify, pose and solve problems.

10. Ability to be critical and self-critical.

11. Ability to work in a team.

12. Ability to act socially responsibly and consciously.

13. The ability to exercise their rights and responsibilities as a member of society, to realize the values of civil (free democratic) society and the need for its sustainable development, the rule of law, human and civil rights and freedoms in Ukraine.

special (professional):

1. Ability to collect medical information about the patient and analyze clinical data.

2. Ability to interpret the results of laboratory and instrumental research.

3. Ability to diagnose: determine the preliminary, clinical, final, concomitant diagnosis, emergencies.

4. Ability to plan and implement measures for the prevention of diseases of organs and tissues of the oral cavity and maxillofacial region.

5. Ability to design the process of providing medical care: to determine the approaches, plan, types and principles of treatment of diseases of organs and tissues of the oral cavity and maxillofacial region.

6. Ability to determine the rational mode of work, rest, diet in patients in the treatment of diseases of organs and tissues of the oral cavity and maxillofacial region.

7. Ability to determine the tactics of management of patients with diseases of organs and tissues of the oral cavity and maxillofacial region with concomitant somatic diseases.

8. Ability to perform medical and dental manipulations.

9. Ability to treat major diseases of organs and tissues of the oral cavity and maxillofacial region.

10. Ability to organize and conduct screening examinations in dentistry.

11. Ability to assess the impact of the environment on the health of the population (individual, family, population).

12. Ability to maintain regulatory medical records.

13. Processing of state, social and medical information.

14. Ability to organize and conduct rehabilitation measures and care for patients with diseases of the oral cavity and maxillofacial region.

15. Ability to legally support their own professional activities.

Learning outcomes of the module:

upon completing their study in the module, students must

know:

1. The subject and tasks of psychiatry and narcology.

2. Principles of care for the mentally ill.

3. Methods of psychiatric research.

4. Disorders of sensations and perception, memory, thinking, intelligence, emotions, attention, effector sphere, consciousness and consciousness.

5. The main psychopathological syndromes.

6. Mental disorders in patients with somatic, endocrine and vascular diseases. Mental disorders in infectious disorders and traumatic brain injuries. Mental disorders in dental diseases.

7. Mental disorders in old age.

8. Mental and behavioral disorders due to alcohol consumption.

9. Mental and behavioral disorders as a result of drug use.

10. Neuroses. Somatoform disorders. Responses to severe stress and impaired adaptation. Post-traumatic stress disorder.

11. Personality disorders.

12. Mental impairment.

13. Schizophrenia.

14. Affective disorders.

15. Epilepsy, Epileptic psychoses.

16. General principles of treatment, rehabilitation and examination of mental illnesses and disorders.

be able to:

1. Recognize and identify the leading clinical symptoms and syndromes by standard methods, using preliminary history of the patient, patient examination, knowledge of the person, his organs and systems, to establish a probable nosological or syndromic preliminary clinical diagnosis of mental illness.

2. Collect information about the general condition of the patient, assess the psychomotor and physical development of the patient, based on the results of laboratory and instrumental studies to assess information about the diagnosis.

3. Prescribe and analyze additional (mandatory and optional) methods of examination (laboratory, radiological, functional and / or instrumental) of patients with diseases of the organs and tissues of the oral cavity and maxillofacial region for differential diagnosis of diseases.

4. To diagnose emergencies under any circumstances (at home, on the street, in a medical institution), in conditions of emergency, martial law, lack of information and limited time.

5. To determine the tactics of managing a dental patient with somatic pathology by making an informed decision according to existing algorithms and standard schemes.

6. Organize medical and evacuation measures among the population, servicemen, in emergency situations, including martial law, during the detailed stages of medical evacuation, taking into account the existing system of medical and evacuation support.

7. Determine the tactics of emergency medical care, using the recommended algorithms, under any circumstances on the basis of a diagnosis of emergency in a limited time.

8. Analyze and evaluate government, social and medical information using standard approaches and computer information technology.

9. Assess the impact of the environment on the health of the population in a medical institution according to standard methods.

10. Form goals and determine the structure of personal activities based on the results of the analysis of certain social and personal needs.

11. To be aware of and guided in their activities by civil rights, freedoms and responsibilities, to raise the general cultural level.

12. Adhere to the requirements of ethics, bioethics and deontology in their professional activities.

13. To organize the necessary level of individual safety (own and persons cared for) in case of typical dangerous situations in the individual field of activity.

14. Perform medical manipulations on the basis of preliminary and / or final clinical diagnosis for different segments of the population and in different conditions.

15. Manipulate emergency medical care, using standard schemes, under any circumstances on the basis of a diagnosis of emergency in a limited time.

Thematic plan of lectures (by modules), specifying the basic issues, which are considered at the lecture

Seq. No.	Title of the topic	Number of hours	
	Content module 1. General questions of psychiatry and General psychopathology		
1.	The subject and tasks of psychiatry and narcology. Organization of assistance to patients with mental disorders. General principles of treatment, rehabilitation and examination of mental illnesses and disorders	2	
Content module 2. Special (nosological) psychiatry			
2.	Schizophrenia. Affective disorders. Epilepsy	2	

Thematic plan of practical classes by modules and content modules, specifying the basic issues, which are considered at the practical class

Seq. No.	Title of the topic	Number of hours
	Content module 1. General questions of psychiatry and General psychopa	thology
1.	The subject and tasks of psychiatry and narcology. Organization of assistance to patients with mental disorders. Impaired sensations and perception	2
2.	Impaired thinking, attention, memory and intelligence	2
3.	Disturbance of emotions and effector sphere	2
4.	Violation of consciousness and consciousness. Psychopathological syndromes. Methods of psychiatric research	
	Content module 2. Special (nosological) psychiatry	
5.	Schizophrenia. Affective disorders	2
6.	Epilepsy. Epileptic psychoses. Emergency care with epileptic status	2
7.	Mental disorders in patients with somatic, endocrine and vascular diseases. Mental disorders in infectious diseases and TBI. Mental disorders in the pathology of the oral cavity and maxillofacial area	2
8.	Final module control	2
Total		16

Self-directed work

Seq. No.	Title of the topic	Number of hours
1	Preparation for practical classes - theoretical training and practical training	6,5
2	 Examination of topics not included in the lesson plan (list): Mental and behavioral disorders due to alcohol consumption. Mental and behavioral disorders due to drug use Neuroses. Acute and prolonged reactive psychoses. Mental disorders in old age. Oligophrenia and developmental delays. Personality disorders General principles of treatment, rehabilitation and examination of mental illnesses and disorders 	2,5
3	Preparation for final module control	1
Total		10

Individual tasks:

Performing an individual task involves preparing a message or writing an abstract based on the primary sources for one of the proposed topics:

 Methods of pathopsychological examination in various mental illnesses: schizophrenia, epilepsy, affective psychoses, neuroses, psychopathies, oligophrenia.
 Methods of paraclinical examination of the mentally ill: EEG, Echo-EG, REG, CT, MRI.

3. Mental disorders in industrial intoxication and as a result of environmentally

adverse effects.

4. Mental disorders in cancer and brain tumors.

5. Fundamentals of psychosomatic medicine.

6. Problems of modern suicide.

7. Psychiatric and psychological assistance in crisis situations.

8. Borderline psychiatric disorders in pediatric and adolescent patients.

9. Sexopathology in psychiatric practice.

10. Methods of psychotherapy: family psychotherapy, psychoanalysis, Gestalt psychotherapy.

The list of theoretical questions for students' preparation for the final module control Content module 1. General questions of psychiatry and General psychopathology

1. The subject, tasks of psychiatry and narcology.

2. Structure of psychiatric and narcological care, psychiatric hospital and dispensary.

3. Principles of care for the mentally ill.

4. First and first aid for patients with mental disorders, basic indications for hospitalization.

5. Principles and methods of treatment of mental illnesses and disorders.

6. Classification and definition of disorders of feelings and perceptions.

7. Classification and determination of memory impairments

8. Classification and definition of disorders of thinking and intelligence

9. Classification and definition of disturbances of emotions

10. Classification and determination of effector sphere disorders

11. Syndromes of depression and darkening of consciousness

12. Non-psychotic syndromes: asthenic, neurotic (neurasthenic, obsessive-phobic, dysmorphophobic, hysterical), depressive, hypochondriacal, somatoform.

13. Psychotic syndromes: depressive, manic, paranoid, paranoid, dysmorphic, catatonic, gebefrenic, delirious, oneroid, amentic, asthenic confusion, twilight state, hallucinosis.

14. Defective-organic syndromes: psycho-organic, Korsakov's amnestic, oligophrenia, dementia, mental insanity.

Content module 2. Special (nosological) psychiatry

1. Basic principles of therapy, rehabilitation and prevention of mental disorders in endocrine and somatic diseases.

2. Classification of mental disorders in acute and chronic infections.

3. Mental disorders due to traumatic brain injury, their treatment and prevention.

4. Concepts, psychoactive substances, phenomena of addiction and addiction, drug syndrome.

5. Alcohol intoxication, its degrees, individual characteristics, diagnosis, pathological alcohol intoxication, providing medical assistance for acute alcohol poisoning.

6. Alcoholism, its criteria, stages, diagnosis of alcohol withdrawal, medical care.

7. Alcohol psychoses: diagnosis of initial manifestations, prevention of further

development, treatment.

8. Clinical features of mental disorders due to the use of opiates, cannabioids, sedatives and hypnotics, cocaine and other psychostimulants, hallucinogens, volatile solvents, nicotine, caffeine-containing products.

9. Clinical features of emotional-stress and adaptive reactions, neuroses: neurasthenia, anxiety disorders, obsessive-compulsive disorder, dissociative disorders.

10. Schizophrenia: definitions, main clinical forms and types of schizophrenia. Principles of treatment of schizophrenia

11. Clinical picture of affective disorders. Bipolar affective disorder and recurrent depressive disorder.

12. Epilepsy. Classification. Mental disorders in patients with epilepsy. Principles of therapy of patients with epilepsy and mental disorders.

13. Epileptic status and medical measures for withdrawal of the patient from this condition.

14. Personality and behavior disorders in adults, factors contributing to their development. Basic principles of therapy, rehabilitation and prevention of personality disorders and behavior in adults.

15. Disorders of mental development. Principles of therapy, correction, examination, rehabilitation. Organization of educational and labor process.

The list of practical skills required for the final module control

1. Ability to conduct a directed psychological conversation with the patient.

2. To carry out medical and diagnostic work on the basis of medical deontology.

3. Examination of the mentally ill with determination of leading syndromes and nosological units.

- 4. Determination of indications for urgent hospitalization of the mentally ill.
- 5. Drawing up medical-diagnostic schemes of the main mental disorders.
- 6. Analysis of the results of EEG, Echo-EG and REG studies.
- 7. First aid in a seizure.
- 8. Emergency care for various types of psychomotor excitation.
- 9. Artificial feeding of the patient through a probe.
- 10. First aid in alcohol and drug poisoning.
- 11. Conducting rational psychotherapy.

The form of final control of academic performance

A form of final control of the success of the discipline is written module control. The final module control is carried out after studying the module program in the discipline and is carried out at the last lesson of the module. Final control is allowed for students who have completed all types of work required by the curriculum and have scored at least a minimum of 72 points in the module.

Students who have a grade point average of 4.5 to 5.0 during the course study are exempted from compiling the FMC and will automatically (with consent) receive a final grade in accordance with Table 1.

the FMC						
The average score of current	FMC compliance	Traditional assessment				
performance						
4,5	72	5				
4,55	73					
4,6	74					
4,65	74					
4,7	75					
4,75	76					
4,8	77					
4,85	78					
4,9	78					
4,95	79					
5	80					

Table 1Criteria for matching the average score of current performance to the results of the preparation of
the FMC

The form of final control is standardized and includes control of theoretical and practical training.

Specific forms of control:

- verbal conversation;

- written testing using level II tests;

- solving situational problems of the second level.

The maximum score of the final control is 80. The final module control is considered to be counted if the student has scored at least 50 points out of 80.

The system of continuous and final control

The teacher necessarily evaluates the success of each student at each class on a fourpoint (traditional) scale using approved by the cycle methodological commission assessment criteria developed with standardized generic criteria for assessing students' knowledge.

Evaluate is integrated (all types of student work are evaluated both during the preparation for the class and during the class) according to the criteria that are made known to the students at the beginning of studying the discipline.

Conversion of the current marks, given on the traditional 4-point scale, not conducted into a multi-point one at each session.

Forms of assessment of current educational activities are standardized and include control of theoretical and practical training.

Conversion of the traditional 4-point scale into a multi-point score (maximum 120 points) is made only after the last lesson that precedes the test. Conversion is carried out according to the following algorithm:

a) the average student's grade on the traditional 4-point scale, obtained during the current classes belonging to this module (up to the hundredth grade) is calculated;

b) to obtain a convertible multi-point total assessment of current effectiveness per module, the average score obtained on the traditional 4-point scale is multiplied by a coefficient of 24. The exception is when the average on the traditional 4-point scale is 2 points. In this case, the student receives 0 points on a multi-point scale;

c) the average grade of current effectiveness is calculated by the total number of

lessons per module.

The minimum number of points for a module that a student must score in his/her study for a credit is 120 points.

The teacher who leads the group calculates the total points for the module the next day after the final module control is completed.

The maximum number of points per module is 200 points.

Assessment of individual tasks of the student

Marks for individual tasks are awarded to the student only if they are successfully completed and defended.

The number of points awarded for different types of individual tasks depends on their size and significance. They are added to the amount of points earned by the student in the course during their current learning activities.

Assessment of independent work of the students

Independent work of students, which is provided by the topic of the lesson along with the classroom work, is evaluated during the ongoing control of the topic in the relevant lesson.

Teaching methods

Different teaching methods are used in the course of teaching the discipline:

- by source of information and formation of skills: verbal, demonstrative and practical;

- depending on the main didactic tasks: gaining new knowledge, developing skills, testing and assessment of knowledge, and

- oral discussion of the topic with the involvement of the majority of the students of the group;

- discussions on problematic situations;

- abstract speeches;

- written testing;
- blitz poll;

- writing tasks, etc.

The result of a student's independent extracurricular work is reproduced in the form of poster presentations or defense of abstracts.

Assessment of student effectiveness in the discipline is a rating and is ranked on a multi-point scale.

The number of points for the discipline is considered as the total score, which includes the current achievement, additional points for individual work.

Control methods verbal, written, programmed control.

Methodological support

1. Work program of the Module 4. Psychiatry, Narcology.

- 2. Plans for practical training in the discipline.
- 3. Tasks for independent work of students.
- 4. Methodical instructions for independent work of students during preparation

to practice and to class.

5. Guidelines for teachers.

6. Questions and tasks for ongoing control of students' knowledge and skills.

7. Test tasks in the discipline of the second level.

8. Situational tasks in the level II discipline.

9. Educational atlas of experimental methods for the study of human mental activity.

10. Educational movies.

Recommended reading

Basic (available at the library of PSMU):

1. Kozhyna G.M., Gavenko V.L., Samardakova G.O. Psychiatry. – Kharkiv, 2007. – 364p.

Supplementary:

1. The American Psychiatric Publishing Textbook of Psychiatry, 5th Edition Edited by Robert E. Hales, MD, MBA; Stuart C. Yudofsky, MD; Glen O. Gabbard, MD. – NY, 2009. – 867p.

2. Sartorius N. Understanding the ICD-10 Classification of Mental Disorders. A Pocket Reference. – London, 1999. – 87p.

Information resources

http://www.psychiatry.ua/books/

- (<u>http://www.moz.gov.ua/ua/portal/standards</u>)
- Medscape from WebMD http://www.medscape.com
- National Guideline Clearinghouse https://www.guideline.gov/
- The Cochrane Collaboration The Cochrane Library http://www.cochrane.org/

•National Institute for Health and Clinical Excellence (NICE)

https://www.nice.org.uk/

- •The National Health and Medical Research Council (NHMRC <u>https://www.nhmrc.gov.au</u>
 - •Royal College of Physicians <u>https://www.rcplondon.ac.uk/</u>
 - •AMA (American Medical Association) https://www.ama-assn.org/

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