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FACULTY OF DENTISTRY **MEDICINE 0912.1 STUDY PROGRAM** SPECIALITY DENTISTRY

Department of Psychiatry, narcology and medical psychology

Approved

at the meeting of the Quality Assurance and Curriculum Evaluation Commission of Faculty of Medicine

Minutes No._____ of_____

Chair of the commission _____

Serghei Suman, PhD, Associate professor

Approved

At the Council meeting of Faculty of Dentistry

Minutes No.____ of_____

Dean of Faculty of Dentistry PhD, professor

_____ Sergiu Ciobanu

Approved

At the meeting of Department of Psychiatry, narcology and medical psychology

Minutes No. 05 of 18/10/2017

Head of Department, PhD, professor

_____Anatol Nacu

CURRICULUM (SYLLABUS)

PSYCHIATRY COURSE

Integrated studies

Type of course: compulsory course

Chişinău, 2017



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I. **PRELIMINARIES**

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

The course of psychiatry, narcology and medical psychology is an important component of clinical education. Psychiatry occupies an important place among medical disciplines, taking into account the significant morbidity of mental illnesses, their increased degree of disability. Knowledge of psychiatry is necessary for all physicians. This is determined by the frequency of the demands of patients suffering from various mental disorders, often disguised under the mask of various somatic syndromes, at various specialists. So about 80 percent of the diseases were recognized as psychosomatic. In turn, somatic disorders cause various psychiatric disorders, making a wide range of psychosomatic syndromes.

Currently psychiatry is considered one of the clinical disciplines with an impressive scientific development. Thus, new bases have been laid in the biochemistry of psychic processes. These have allowed the synthesis of new methods of treatment of psychiatric disorders. Continuous accumulation of new data about bioactive neurotransmitters and neurotransmission processes, new pre- and post-synaptic receptors, new neuropeptides and brain proteins play a major role in the individual's behavior and mental condition. Elucidating the role of disturbances in brain chemistry in the genesis of psychiatric illnesses greatly changes the conceptual content of clinical psychiatry.

Nowadays, it is imperative to know deeply the mechanisms of installing the particularities of the clinical picture, the evolution, prevention and treatment of psychiatric disorders. Only sufficient training in psychiatry will allow future physicians to properly assess the various mental disorders. It is intended not only to establish early diagnosis, prevent the onset of the disease and possible complications, but also to assess the basic mechanisms in the pathogenesis of mental disorders. The psychiatric study program provides the necessary knowledge for acquiring the psychiatric assessment methodology, conducting the psychological assessment of the patients, diagnosing the diseases and providing medical assistance.

• The mission of the curriculum (purpose) in professional training

The curriculum has as a major objective the study of etiology, pathogenetic mechanisms, diagnostic criteria, psychopathological manifestations, evolutionary peculiarities, modern methods of investigation, principles of pharmaco- and psychotherapy of patients with mental and behavioral disorders.

- Language training: Romanian, Russian, English
- Beneficiaries: the IV-th year students, Faculty of Dentistry, the specialty Dentistry



II. MANAGEMENT OF THE COURSE

Code of the course		S.08.O.096	
Name of the course		Psychiatry	
Responsible (s) for the course		PhD, professor Anatol Nacu	
Year	IV	Semester (s)	VIII
Total number of hours, including:			30
Lectures	8	Practical / laboratory lessons	14
Seminars	6	Individual activity	2
Method of assessment	CD	Number of credits	1



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III. TRAINING OBJECTIVES IN TEACHING THE COURSE

✓ At the level of knowledge and understanding:

- to know the theoretical basis of the discipline and its place in general medicine;
- to know the organization of the system of Mental Health in Republic of Moldova and at international level;
- to know the definition, epidemiology, the contemporary aspects of etiology and pathogenesis of psychiatric disorders;
- to know the clinical picture, modern classification, particularities of clinical assessment;
- to know the early diagnostics, the premorbid conditions, the spinalization and diagnostic criterias, the formulation of a diagnose, differential diagnose;
- to know the evolution, complications, prognostic of mental disorders;
- to know the contemporary methods of investigation (laboratory and instrumental findings);
- to know treatment methods general principles, indications and contraindications, complications of the treatment.

✓ At the level of application:

- to set the mental status of the patient by applying the contemporary psychiatric methods of evaluation;
- to find and assess main psychiatric emergencies;
- to initiate the treatment in case of the patient with mental and behavioral disorder.

✓ At the level of integration:

- to integrate knowledge in the assessment of the patient's mental status;
- assessing the psychological condition in establishing the somatic diagnoses;
- to integrate the principles of the mental health services in collaboration with other medical professionals



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IV. PROVISIONAL TERMS AND CONDITIONS:

The student of the IV-th year requires the following:

- Knowing the language of training;
- Confirmed competences in preclinical and clinical sciences (pathophysiology, clinical pharmacology, clinical biochemistry, internal diseases, neurology);
- digital competences (use of the Internet, document processing, electronic tables and presentations);
- ability to communicate and team work;
- qualities comprehension, tolerance, compassion, autonomy.



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V. THE TOPICS AND APPROXIMATE DISTRIBUTION OF HOURS

Lectures, seminars, practical and laboratory lessons, and individual activity

No.	TOPIC	Hours			
		Lectures	PL/S	Individual activity	
1.	Psychiatry - goal, objectives, historical context. Classification of mental and behavioral disorders according to ICD-10 and DSM-5. General psychopathology. Main psychopathologic syndromes. Treatment methods in mental health, side effects of medication. Clinical scales in psychiatry. Psychiatric emergencies. Organic mental disorders. Dementias. Korsakov's organic amnesic syndrome. Organic delirium. Organic hallucinosis. Organic catatonic disorder. Organic affective disorders. Organic emotionally labile (asthenic) disorder. Organic personality disorder. Postconcussional organic cerebral syndrome. Postconcussional epilepsy. General problems of gerontopsychiatry.	2	4/1		
2.	Mental and behavioral disorders due to usage of alcohol, opioids, cannabinoids, cathinones, sedatives, hypnotics, cocaine, caffeine, hallucinogens, tobacco, volatile solvents and psychoactive substances. Schizophrenia, schizotypal and delusional disorders. Mood disorders. Depression, Mania, Major depressive disorder. Dysthymia. Bipolar disorder (type I, type II, Cyclothymia).	2	3/2		
3.	Neurotic and stress-related disorders. Phobic anxiety disorders. Panic disorder. Generalized anxiety disorder. Obsessive-compulsive disorder. Reaction to severe stress, and adjustment disorders. Acute stress reaction. Post-traumatic stress disorder. Adjustment disorders. Dissociative and conversion disorders. Somatoform disorders (somatization disorder, undifferentiated somatoform disorder, pain disorders related to psychological factors, hypochondriasis, body dysmorphic disorder). Disorders of adult personality and behavior. Habit and impulse disorders. Eating disorders associated with the puerperium.	2	4/1	1	
4.	Pervasive developmental disorders - Childhood autism, Rett syndrome, Asperger syndrome. Behavioral and emotional disorders with onset usually occurring in childhood and adolescence - Hyperkinetic disorders, Conduct disorders. Emotional disorders with onset specific to childhood - Separation anxiety disorder of childhood. Disorders of social functioning with onset specific to childhood and adolescence - Elective mutism. Tic disorders. Nonorganic enuresis., Nonorganic encopresis, Pica of infancy and childhood, Stuttering [stammering], Transient dissociative [conversion] disorders occurring in childhood and adolescence.	2	3/2	1	
		8	14/6	2	
Total			30		



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REFERENCE OBJECTIVES AND CONTENTS UNITS			
Objectives	Content units		
Chapter 1. General psychopathology.			
 To define Psychiatry To know the way and the particularities of organization of psychiatric services To know the classification of mental and behavioral disorders by ICD-10 and DSM-5 To know the general psychopathology To know the main psychopathologic syndromes To know the clinical scales of assessment in psychiatry To show the treatment principles in psychiatry, including in emergencies, adverse effects of medication To apply the gained knowledge for optimizing the therapeutic process To integrate the clinical scales of assessment and to apply them in medical practice 	 Psychiatry - development, main objectives, contemporary and perspective relationships, the relationship of medical psychology with other discipline. Classification of mental and behavioral disorders according to ICD-10 and DSM-5. General psychopathology - perception, memory and intellect disorders, thought, mood (affective), psychomotor and volition disorders. The semiology of conscious disorders. Main psychopathologic syndromes: asthenic, obsessive-phobic, paranoid, paranoia, paraphrenia, apatho-abulic, Kandinski-Clerambault syndrome, Korsakov syndrome Clinical assessment scales in psychiatry Clinical scales of assessment in psychiatry. The suicidal, violence concept and other emergencies in psychiatry. The treatment principles in psychiatry. Emergencies in psychiatry. 		
Chapter 2. Adult's psychopathol			
 To define dementia, alcohol addiction, schizophrenia, bipolar disorder, dysthymia, cyclothymia, neurotic disorders, acute stress reactions, post-traumatic stress disorder, somatoform disorders, disorders of adult personality and behavior. To know the actuality, epidemiology of organic mental disorders, mental and behavioral disorders due to psychoactive substance use, affective disorders, stress related, endogenous psychosis, dissociative 	Dementia in Alzheimer disease. Vascular dementia. Dementia in Pick's, Creutzfeldt-Jakob's, Huntington, Parkinson disease, dementia in HIV–AIDS. Actuality, epidemiology, clinical picture, evolution and treatment. Korsakov's organic amnesic syndrome. Organic delirium. Organic hallucinosis. Organic catatonic disorder. Organic affective disorders. Organic emotionally labile (asthenic) disorder. Organic personality disorder. Postconcussional organic cerebral syndrome. Postconcussional epilepsy. Actuality, epidemiology, clinical picture, evolution and treatment. Acute and chronic alcoholic psychosis (delirium tremens, alcoholic hallucinosis, alcoholic paranoid, Korsakov syndrome). Alcoholic dementia. Actuality, epidemiology, clinical picture, evolution, the main principles of alcoholism treatment. Opioids, cannabinoids, sedatives, hypnotics, cocaine, caffeine, hallucinogens, tobacco, volatile solvents and other psychoactive substances. Actuality, epidemiology, clinical picture, evolution, the		



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Objectives	Content units		
 (conversion) disorders, somatoform disorders, adult personality and behavior disorders, impulse control disorders, eating disorders. To show the role of predisposing, precipitating and contributing factors in the development and maintenance of diseases. To understand the relevant psychopathologic particularities of endogenous and exogenous mental disorders in adults. To demonstrate the capacity to analyze the types of onset and development particularities. To apply the gained knowledge to optimize the therapeutic process. To integrate the knowledge to optimize the therapeutic process. To integrate the knowledge about psychotherapeutic methods in optimal therapeutic management. main treatment principles, prophylaxis and treatment. Schizotypal and delusional disorders adults. To integrate the knowledge about psychotherapeutic management. 			
Chapter 3. Child and adolescent			
 To define childhood autism. To know the actuality, epidemiology of pervasive developmental disorders, behavioral and emotional disorders with onset usually occurring in childhood and adolescence, emotional disorders with onset specific to childhood, disorders of social functioning with onset specific to childhood and 	 Childhood autism, Rett syndrome, Asperger syndrome. Actuality, epidemiology, clinical picture, evolution and treatment. Hyperkinetic disorders, Conduct disorders. Actuality, epidemiology, clinical picture, evolution and treatment. Separation anxiety disorder of childhood. Actuality, epidemiology, clinical picture, evolution and treatment. Elective mutism. Actuality, epidemiology, clinical picture, evolution and treatment. Tic disorders. Actuality, epidemiology, clinical picture, evolution and treatment. Nonorganic enuresis. Nonorganic encopresis, Pica of infancy and childhood, Stuttering [stammering]. Actuality, epidemiology, 		

social functioning with onset specific to childhood and adolescence.
Demonstrate the role of predisposing, precipitating and contributing factors in
Nonorganic childhost, it is involved and childhood, stuttering [stammering]. Actuality, epidemiology, clinical picture, evolution and treatment.

the development and



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Objectives	Content units
 maintenance of early onset diseases in childhood and adolescence. To show the capability to analyze the psychopathological structure, specific to children and adolescents. To apply the gained knowledge to optimize the therapeutic process. To integrate the knowledge about psychotherapeutic technics and apply them in medical practice. 	



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VI. PROFESSIONAL SKILLS (SPECIFIC (SS) AND TRANSVERSAL (TS)) AND FINAL STUDY ABILITIES

✓ PROFESSIONAL SKILLS:

- SS1. Strong knowledge of particularities of structure, evolution and functioning of human organism in different type of physiological and pathological conditions
- SS2. Executing different practical manipulations and procedures for realizing specific to specialty professional activities relying on fundamental scientific knowledge
- SS3. Creating the rehabilitation and prevention plan in different situations and selecting the adequate procedures for it, including performing the emergency medical assistance
- SS4. Use of medical technics, instrumental and laboratory investigations, of digital technologies for solving specific medical tasks in different emergency conditions.
- SS5. Planning coordination and performing activities to promote health and prophylaxis for enhancing health at community and individual levels.
- SS6. Evaluating and assuring the quality of medical services in relation to manipulations, processes, and associated treatments.

✓ TRANSVERSAL SKILLS:

- TS1. Responsible execution of professional duties with the values and standards of professional ethics and the legislation in force. Promoting logical reasoning, practical applicability, evaluation and self-assessment in decision-making;
- TS2. Performing activities and exercising the roles specific to team work in various medical institutions. Promoting the spirit of initiative, dialogue, cooperation, positive attitude and respect for others, empathy, altruism and continuous improvement of their own activities;
- TS3. Objective self-evaluation of the need for continuous professional training in order to provide quality services and adapt to the dynamics of health policy requirements and for personal and professional development. Effective use of language skills, knowledge in information technologies, research and communication skills.

✓ FINAL STUDY ABILITIES

- To know the organizational particularities of psychiatry;
- To understand the principles of classification of mental and behavior disorders;
- To know basic psychological processes and their disorders;
- To be competent to deduce possible causes of psychiatric illnesses;
- To know the main psychopathological peculiarities of mental disorders in adult, child and adolescent;
- To know the types of onset, the evolutionary particularities of the patients with mental disorders and behavior;
- Be able to apply the knowledge acquired to optimize the therapeutic process;
- To be able to inform the patient about the rational use of the drug, possible side effects, prophylaxis and treatment;
- To be able to assess the place and role of medical psychology and psychiatry in the clinical training of the student;
- To be competent to use the knowledge and methodology of medical psychology and psychiatry in the ability to explain the nature of some pathological processes;



- To be able to implement the knowledge gained in the research activity;
- To be competent to use critically and confidently the scientific information obtained using the new information and communication technologies.



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VII. STUDENT'S INDIVIDUAL ACTIVITY

No.	The expected product	Implementation Strategies	Evaluation criterias	Deadline
1.	Working the information sources	Read the lecture or the material in the manual to the topic carefully. Read questions on the subject, which require a reflection on the subject. To get acquainted with the list of additional information sources on the topic. Select the source of additional information for that topic. Reading the text entirely, carefully and write down the essential content. State the generalizations and conclusions regarding the importance of the topic / subject.	The capacity to extract the essential, interpreting skills, workload	During the course
2.	Analysis of study case	Until solving the study case to analyze the information from the respective subject in the lecture and manual. Solving consecutive tasks. Formulation of presumptive diagnosis. Selection of additional information, using electronic addresses and additional bibliography.	Workload, solving study cases, the ability to formulate conclusions	During the course
3.	Analysis of clinical case	Description of the clinical case. Solving problems in clinical case analysis. The prognostic of the investigated case. Deduction of the expected outcome of the case.	Workload, the level of insight into different subjects, the level of scientific argumentation, the quality of the conclusions, the demonstration of understanding the problem, the formation of the personal attitude	During the course
4.	Work with the online material	Online self-evaluation, study of online materials on the departments site, expressing your own opinions through forum and chat	Number and duration of site entries, self-evaluation results	During the course
5.	Preparation and submission of presentations / portfolios	Selection of the research topic, establishment of the research plan, establishment the deadlines. Establishing PowerPoint project / topic components - topic, aim, results, conclusions, practical applications, bibliography. Peer reviews. Teacher reviews.	The workload, the degree of insight of the project topic, the level of scientific argumentation, the quality of the conclusions, the elements of creativity, the formation of the personal attitude, the coherence of the discourse and the scientific correctness, the graphical presentation, the way of presentation	During the course



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VIII. METHODOLOGICAL SUGGESTIONS FOR TEACHING-LEARNING-EVALUATION

• The methods of teaching used

In the teaching of psychiatry different teaching methods and procedures are used, oriented towards the efficient acquisition and achievement of the objectives of the didactic process. In the theoretical lessons, along with traditional methods (lesson-exposure, lesson-conversation, synthesis lesson), modern methods (lesson-debate, lecture-conference, problem-lesson) are also used. In the practical lessons are used individual, frontal and group work. In order to acquire deeper material, different semiotic systems (scientific language, graphical and computerized language) and teaching materials (tables, charts, transparent sheets) are used. Inside lessons and extracurricular activities are used Communication Technologies - PowerPoint presentations.

• Learning methods used:

- **Observation** Identifying elements characteristic to structures, description of these elements or phenomena.
- **Analysis** Imaginary decomposition of the whole into component parts. Highlighting the essential elements. Studying each element as part of the whole.
- **Chart/ figure analysis** Selection of necessary information. Recognition based on knowledge and information selected structures indicated in the chart, drawing. Analysis of the functions / role of recognized structures.
- **Comparison** Analyzing the first object / process in a group and determining its essential traits. Analysis of the second object / process and the determination of its essential features. Comparing the objects / processes and highlighting common features. Comparing the objects / processes and determining differences. Establishment criteria for differentiation. Formulation of conclusions.
- **Classification** Identification of the structures / processes to be classified. Determining the criteria on which classification is to be made. Distribution of structures / processes by groups according to established criteria.
- Elaboration of charts Selection of elements, which must appear in the chart. Drawing the elements selected by different symbols / colors and indicating their relationships. Formulating an appropriate title and legend of the symbols used.
- **Modeling** Identification and selection of the elements needed to model the phenomenon. Imagining (graphical, schematic) of the phenomenon studied. Realizing the phenomenon using the developed model. Formulation of conclusions, deduced from arguments or findings.
- **Experiment** Formulating a hypothesis, starting from known facts, about the process / phenomenon studied. Verifying the hypothesis by performing the processes / phenomena studied under laboratory conditions. Formulation of conclusions, deduced from arguments or findings.

• Applied teaching strategies/technologies

"Brainstorming", "Multi-voting"; "Round table"; "Group interview"; "Study case"; "Creative controversy"; "Focus-group technic", "Portfolio".



• *Evaluation methods* (inclusively indicating the calculation method of the final mark)

- ✓ **Current**: frontal and/or individual control by:
 - (a) solving study cases,
 - (b) analysis of clinical cases
 - (c) quizzes
 - (d) reports
 - ✓ **Final:** oral colloquium

Methods of mark rounding at the evaluation levels

Intermediate grading scale (annual average,	National grading	ECTS	
grades from steps of exam)	system	Equivalent	
1,00-3,00	2	F	
3,01-4,99	4	FX	
5,00	5		
5,01-5,50	5,5	Е	
5,51-6,0	6	-	
6,01-6,50	6,5	D	
6,51-7,00	7		
7,01-7,50	С		
7,51-8,00	8		
8,01-8,50	B		
8,51-8,00	9	D	
9,01-9,50	9,5		
9,51-10,0	10	A	

The annual average mark and the marks from all the steps of the final exam (computer assisted, test, oral answer) - all will be expressed in numbers according to the grading scale (according to the table), and the final obtained mark will be expressed in numbers with two decimal places which will be wrote in the carnet.

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



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IX. RECOMMENDED LITERATURE:

A. Compulsory:

- 1. Kaplan HI, Sadock BJ, Grebb JA. Synopsis of Psychiatry. VIII Ed. Williams and Wilkins, 1998.
- 2. Oprea N., Nacu An., Oprea V. Psihiatrie. Chişinău, 2007 (Manual)
- 3. Prelipceanu D. Psihiatrie clinică. București, 2010 (Manual)
- Tulburari Mintale si de Comportament, Clasificarea Internațională a Maladiilor, ed. X, revizia Australiana 2000, Organizatia Mondială a Sănătății, https://www.hosptm.ro/files/drg/icd-10-am/cap05.pdf (material electronic online)
- World Health Organization. The ICD-10 Classification of Mental and Behavioral Disorders: Clinical descriptions and diagnostic guidelines, the Blue Book, World Health Organization. Geneva, 1992.

http://www.who.int/classifications/icd/en/bluebook.pdf (material electronic online)

B. Additional:

1. Stahl S, Psihofarmacologie - ghidul prescriptorului, Callisto, Bucuresti 2012 (Manual)

2. Roussillon R, Chabert C, Ciccone A, Ferrant A, Georgieff N, Roman P Manual de psihologie și patologie clinică generală, București, 2010 (Manual)

 Herron S, Abigail J The ASAM essentials of addiction medicine, Wolters Kluver, 2015 (Manual)
 Gelder M., Mayou R., Cowen P. Shorter Oxford Textbook of Psychiatry. IV Ed. Oxford University Press. New York, 2001 (Manual)

5. Санкт-Петербургский Государственный Медицинский Университет им. акад.

И.П.Павлова, Кафедра Психиатрии и Наркологии, Электронный Учебник Психиатрия и Наркология

www.s-psy.ru/obucenie/kurs-psihiatrii/5-kurs-lecebnyj-fakultet/electronnyj-ucebnik-po-psihiatrii (materiale electronice)

6. Nacu A., Revenco M., Chihai J. ș.a. Depresia (PCN). Chișinău, 2016, 71 p. (protocol clinic național)

7. Nacu A., Revenco M., Curocichin Gh., Chihai J. ş.a. Schizofrenia, Primul Episod Psihotic (PCN-9). Chişinău, 2016, 101 p. (Protocol clinic național)

8. Revenco M. Tulburări de personalitate. Clinica și evaluarea psihiatrico-legală. Chișinău, 2015, 216 p. (Monografie)

9. DSM-5. Manual de Diagnostic și Clasificare Statistică a Tulburărilor Mintale al Asociației Psihiatrice Americane, București, 2016 (Manual)

10. Suport de curs publicat pe site-ul www.psihiatrie.usmf.md (materiale electronice)