

SYLLABUS

1. General information on the course

Full course name	Psychiatry and Narcology
Full official name of a higher education institution	Sumy State University
Full name of a structural unit	Academic and Research Medical Institute. Кафедра нейрохірургії та неврології з курсами психіатрії, наркології, медичної психології, професійних хвороб
Author(s)	Mudrenko Iryna Hryhorivna
Cycle/higher education level	The Second Level Of Higher Education, National Qualifications Framework Of Ukraine – The 7th Level, QF-LLL – The 7th Level, FQ-EHEA – The Second Cycle
Semester	20 тижнів протягом 8-го семестру
Workload	After approval of the standard. The volume is 2 ECTS credits, 60 hours, of which 6 lectures, 40 practical, 14 hours - independent work of students.
Language(s)	English

2. Place in the study programme

Relation to curriculum	Compulsory course available for study programme "Medicine"
Prerequisites	Krok-1, Biological and Bioorganic Chemistry, Normal Physiology, General and Social Psychology, Pathophysiology, Human Anatomy, Pathomorphology, Pharmacology and Medical Prescription, Medical Sociology. Methods of Social Research
Additional requirements	There are no specific requirements
Restrictions	There are no specific restrictions

3. Aims of the course

The main subject aim for students is to gain up-to-date knowledge and professional skills in psychiatry and addictology, in the methodology of mental illness diagnosis, select a treatment strategy, provide emergency assistance in psychiatry and addictology, solve complex health challenges, conduct research and innovation under the bioethics and academic integrity principles.

4. Contents

Module 1. General issues of psychiatry and narcology and general psychopathology

Topic 1 Subject and tasks of psychiatry and narcology, history of development. Organization care for patients with mental disorders. Subject and tasks of psychiatry and narcology, their place among other medical disciplines. Perceptual and memory disorders.

History and present state of psychiatrics and addictology. Psychiatric and behavioural disorders classification according to ICD-10. Psychiatric and narcological assistance in Ukraine (existing packages under the programme of medical guarantees in the NHSU). The principles of therapy, prevention and psychiatric disorders rehabilitation. Learning the fundamentals of health care legislation, especially basic principles of LU "Psychiatric Care Act". Activities and tasks of mobile psychiatric health service brigades. Disorders of sensations: hyperesthesia, hypoesthesia, anesthesia, senestopathy. Disturbances of perceptions: illusions (affective, verbal, pareidolic). Psychosensory disorders: derealization, depersonalization, metamorphosis. Hallucinations: visual, auditory, olfactory, tactile, etc .; simple and complex; real and pseudo-hallucinations. Imperative, commenting and neutral. Hallucinations. Hypnagogic and hypnopompic hallucinations. Psychophysiological bases of disorders of sensations, perceptions and ideas. Methods of detection. Age features. Classification of memory disorders. Hypo-, hyper-, amnesia. Organic amnestic syndrome (Korsakov's), dement syndrome. Pathopsychological diagnosis of mnesic disorders. Application of psychometric scales (MMSE, CDR, mini cog, clock drawing test).

Topic 2 Thought and intelligence disorders. Emotional disorders. Effector sphere disorders.

Disorders of thinking. Structural-logical disorders of thinking, disorders of thinking according to tempo. Types of delusions, definitions. Mechanisms of delusion formation. Primary (interpretive) delusion, secondary (sensory delusion). Main delusional syndromes (paranoiac, paranoid, paraphrenic). Emotional disorders. Main psychopathological syndromes. Acquisition of the psychopathological diagnostic method of affective disorders. Work with the use of psychopathological methods (Hamilton, Beck, HADS, Zung scales, Wechsler test, suicide risk diagnostic scales). Volition obsessions disorder. Acquisition of the psychopathological diagnostic method of effector sphere disorders (hyperprosexia, hypoprosexia, parabularia). Sexual perversions, distortions of instinctive activity, food instinct (anorexia, bulimia, paraphagia), self-preservation instinct (autoaggressive, suicidal behaviour). Defects of intellectual development, the degree of underdevelopment of intelligence: dementia, imbecility, idiocy.

Topic 3 Consciousness and self-consciousness disorders. Psychopathological syndromes. Flow modular control.

Criteria for clear consciousness according to K. Jaspers. Productive (delirium, oneyroid, athymia, twilight state) and non-productive (clouding, sopor, coma) consciousness disorders in medical practice. Main psychopathological syndromes (psychotic automatism syndrome, organic amnestic syndrome, affective syndromes, hallucinosis syndromes, delusional syndromes, cloudiness syndromes, presudoneurotic, psychopathy-like and convulsive syndromes. Management of patients with psychiatric and behavioural disorders in the department, acquisition of writing a psychiatric history method. Interim modular control is carried out by oral questioning and testing.

Module 2. Special (nosological) psychiatry

Topic 4 General characteristics of organic (including symptomatic) psychiatric disorders.

General characteristics of organic (including symptomatic) mental disorders. Somatogenous mental disorders (mental disorders in patients with somatic and endocrine diseases; vessels diseases). Exogenies (mental disorders in infectious diseases; in traumatic brain injury; in intoxications; due to environmentally unfavorable effects). Etiology, pathogenesis, clinic, diagnosis and treatment of organic (including symptomatic) mental disorders from the standpoint of evidence-based medicine.

Topic 5 Medical and social problems of alcohol consumption. Medical and social problems of psychoactive drug consumption.

Mental and behavioral disorders due to alcohol consumption. Addiction syndrome, withdrawal syndrome, alcoholic psychosis (alcoholic delirium, alcoholic encephalopathy). Treatment of alcohol dependence on the basis of evidence-based medicine. Methods of examination of alcohol intoxication. Issues of psychoprophylaxis of alcoholism among the population. Psychiatric and behavioural disorders caused by psychoactive drug consumption. Psychiatric and behavioural disorders caused by consumption of substances, which are not in the national drug list. Addiction syndrome, withdrawal syndrome (clinic, diagnostic methods of drug intoxication states, principles of drug abuse treatment). Introduction to the work of the room (site) and methods of substitution maintenance therapy (SMT), the room of harm reduction from psychoactive substances injection. The issue of drug prevention among the society.

Topic 6 General characteristics of psychogenic diseases. Neurotic and somatoform disorders. Reactive psychosis.

Neurotic, stress-related and somatoform disorders. Neurasthenia: clinic, diagnosis, treatment from the standpoint of evidence-based medicine. Conversion (dissociative) disorders: clinic, diagnosis, treatment on the basis of evidence-based medicine. Obsessive-compulsive disorder: clinic, diagnosis, treatment from the standpoint of evidence-based medicine. Hypochondriac disorders, somatoform autonomic dysfunction (clinic, diagnosis, treatment on the basis of evidence-based medicine). Reactive psychosis. General characteristics. Affective shock reactions. Acute and chronic reactive psychosis, general clinical features, Jaspers' criteria. Reactive depression, reactive paranoid, induced paranoid psychosis, deafish delusion, chronic reactive stupor. Age peculiarities, consequences. Reactive psychosis therapy, their evaluation, prevention, rehabilitation. Posttraumatic stress disorder (PTSD). The concept definition. Causes of PTSD. Clinical features: emotional disengagement, numbness of feelings and cues avoidance that can trigger memories of trauma. Autonomic disorders. Social functioning disorder. Suicidal and substance pre-abuse tendencies. Prevention and treatment.

Topic 7 Schizophrenia. Schizotypal and delusional disorders.

Definition of schizophrenia. Issues of etiopathogenesis, diagnosis (pathopsychological diagnosis of specific disorders of thinking). Forms of schizophrenia (simple, paranoid, catatonic, hebephrenic). The main clinical manifestations (positive, negative and affective symptoms). Pharmacological, psychotherapeutic and biological methods of treatment based on evidence-based medicine. Medical, social and psychological rehabilitation of patients with schizophrenia. Labor and forensic psychiatric examination of patients with schizophrenia. Schizotypal and delusional disorders. Conditions of occurrence, favorable factors, clinical symptoms, treatment, final condition. Induced delusional disorder. Schizoaffective disorders. Modern ideas about the genesis, prevalence. Clinical symptoms. Treatment of schizoaffective disorders from the standpoint of evidence-based medicine. Medical, social and psychological rehabilitation of patients. Labor and forensic psychiatric examination of patients with schizotypal and delusional disorders. Principles of schizophrenia treatment on the basis of the evidentiary medicine, a multidisciplinary, personalised approach. Principles of modern antipsychotic therapy with atypical neuroleptics. Medical and social rehabilitation of patients with schizophrenia. Application of the psychotherapeutic and psychosocial methods (self-care trainings, art therapy, communication skills trainings, crisis psychotherapy).

Topic 8 Affective Disorders. Epilepsy.

Classification of affective disorders according to ICD-10 (F30-F39). Definition, prevalence. BAR (bipolar affective disorder). Clinical manifestations of manic and depressive phases. Intermision. Flow options. Somato-vegetative equivalents of endogenous depression, Protopopov's triad. Cyclothymia. Hypomania. Subdepression. Features of affective diseases in children. Features of supervision of patients in a state of depression. Principles of prevention and therapy of affective psychoses on the basis of evidence-based medicine. Antirelapse therapy for BAR. Non-drug treatments for depressive disorders. Masked depression, its somatovegetative and psychopathological signs. Issues of etiopathogenesis, diagnosis, clinic, treatment from the standpoint of evidence-based medicine, differential diagnosis. Masked depression, its somatovegetative and psychopathological signs. Issues of etiopathogenesis, diagnosis, clinic, treatment, differential diagnosis. Dealing with depressive manifestations in somatic practice. Definition of epilepsy, its prevalence. The concept of epileptic reaction, symptomatic epilepsy, epileptic disease. Etiology and pathogenesis of epilepsy. Primary (genuine) and secondary (symptomatic) epilepsy, features of its occurrence and course. Classification of epilepsy: generalized and focal (local, partial). Status epilepticus. Psychosis (acute and chronic), personality changes due to epilepsy. Treatment of epilepsy.

Topic 9 Mental retardation. Psychopathy and pathocharacterological germination of personality. Disorders of psychological germination.

Definition of oligophrenia. Prevalence. Etiology and pathogenetic mechanisms of mental retardation. Classification of oligophrenia. Degrees and clinical forms of oligophrenia: mild mental retardation (dementia), moderate and severe mental retardation (imbecility), deep mental retardation (idiocy). Somato-neurological symptoms. Differential diagnosis with defective conditions of other etiology. Dynamics of oligophrenia. Principles of treatment on the basis of evidence-based medicine, medical and pedagogical correction. Social and labor rehabilitation. Preventive measures. Examination of mental retardation. Borderline mental retardation and psychophysical infantilism. Principles of correction, rehabilitation and examination. Labor, forensic psychiatric examination of persons with mental retardation. Classification of psychopathy. Personality disorders in adulthood (F60): paranoid personality disorder; schizophrenic personality disorder; dissocial personality disorder; emotionally - unstable personality disorder; hysterical personality disorder; anxiety disorder; addictive personality disorder; mixed and other personality disorders. Issues of etiopathogenesis, diagnosis, clinic, treatment from the standpoint of evidence-based medicine, differential diagnosis.

Topic 10 Children's autism. Behavioral disorders emerging in childhood and adolescence. Childhood and adolescent schizophrenia. Differentiated test.

Definition of the concept of "attention deficit hyperactivity disorder". Spread. Etiological factors and pathogenetic mechanisms of hyperkinetic disorders. Clinical manifestations. Disorders of social behavior in relation to socio-cultural factors. Diagnosis and differential diagnosis. Dynamics. Forecast. Issues of juvenile delinquency. Treatment of hyperkinetic and behavioral disorders from the standpoint of evidence-based medicine. Medical and pedagogical correction. Social rehabilitation. Issues of prevention and examination. RDA (early childhood autism): clinic, diagnosis. treatment on the basis of evidence-based medicine. Features of childhood schizophrenia. Speech therapy correction, neuropsychological rehabilitation, sensory stimulation, art, music therapy. The final module control is carried out by oral examination and testing.

5. Intended learning outcomes of the course

After successful study of the course, the student will be able to:

LO1	Collect medical information about a patient with mental and behavioral disorders, analyze clinical data.
LO2	Determine the necessary list of additional examinations (pathopsychological, laboratory and instrumental studies) and evaluate their results.
LO3	Establish a preliminary and clinical diagnosis of mental illness.
LO4	Determine the necessary mode of work, rest and the nature of nutrition in the treatment of mental and behavioral disorders. Provide recommendations on rational employment for people with mental illness.
LO5	Prescribe treatment to a patient with mental illness, including measures of psychotherapeutic and psychosocial impact.
LO6	Diagnose emergencies in mental and narcological diseases, determine the tactics of emergency medical care, conduct medical and evacuation measures.
LO7	Ability to solve medical problems in new or unfamiliar environments given incomplete or limited information, taking into account aspects of social and ethical responsibility.

LO8	Ability to perform sanitary and preventive measures.
LO9	Ability to perform disability examination.
LO10	Find the necessary information from various sources and apply it in professional activities.
LO11	Use the acquired knowledge and solve complex problems in the field of mental health of the patient as part of multidisciplinary teams (psychiatrist, psychologist, social worker, nurse).

6. Role of the course in the achievement of programme learning outcomes

Programme learning outcomes achieved by the course.

For 222 Medicine:

PO1	To have profound knowledge of the structure of professional activity; to be able to carry out professional activities that require updating and integration of knowledge; to take responsibility for professional development and further professional training with a high level of self-sufficiency.
PO4	To detect and identify the leading clinical symptoms and syndromes (according to List 1); to establish the most probable preliminary clinical diagnosis of diseases (according to List 2) using standard methods, preliminary data of the patient's anamnesis, patient's examination data, and knowledge about a human, his organs and systems.
PO5	To collect information about the patient's complaints, anaemnesis vitae and morbi; to assess the patient's psychomotor and physical development and the state of organs and systems of the body; to assess information on the diagnosis based on laboratory, instrumental findings (according to the List 4) and patient age.
PO6	To establish a final clinical diagnosis at a medical institution under control of a supervising doctor by means of informed decision and analysis of the obtained subjective and objective data of clinical and additional examinations, and differential diagnosis, following the relevant ethical and legal norms (according to the List 2).
PO7	To order and analyze additional (mandatory and optional) examinations (laboratory, functional, and/or instrumental) (according to List 4) in order to perform a differential diagnosis of diseases (according to List 2).
PO8	To detect the key clinical syndrome or the reason for patient's condition severity (according to List 3) via informed decision and evaluation of the person's state under any circumstances (at a medical institution, outside it), including under emergency and military operation conditions, in the field, with a lack of information and limited time.
PO9	To determine the nature and treatment principles (conservative, operative) in patients with diseases (according to List 2) at a healthcare facility and outside it or during the medical evacuation process, based on the provisional clinical diagnosis and observing the relevant ethical and legal norms, by making a reasonable decision according to existing algorithms and standard procedures based on the principles of evidence-based medicine; if needed, to go beyond the standard scheme, to substantiate the personalized recommendations under control of a supervising doctor at a medical facility.

PO10	To determine an appropriate work, rest and diet mode based on the final clinical diagnosis and observing the relevant ethical and legal norms, by making a reasonable decision according to existing algorithms and standard procedures.
PO14	To determine the appropriate approach and provide emergency medical assistance in case of emergency diagnosis (according to List 3) using standard schemes under limited time conditions based on the principles of evidence-based medicine.
PO18	To detect disability status and determine the degree of daily activity limitation, as well as disability duration; to maintain relevant documents at a healthcare institution on the basis of the data on disease course, professional activity of the person, etc. To maintain medical records related to patients and cohorts based on regulations.
PO19	To plan and implement a system of anti-epidemic and preventive measures against the occurrence and spread of diseases among the population.
PO21	To search for the necessary information in the professional literature and databases; to analyze, evaluate, and apply this information.
PO23	To assess the impact of the environment on human health to assess the incidence of the population.

7. Teaching and learning activities

7.1 Types of training

Topic 1. Subject and tasks of psychiatry and narcology, history of development. Organization care for patients with mental disorders. Subject and tasks of psychiatry and narcology, their place among other medical disciplines. Perceptual and memory disorders.

pr.tr.1 "Subject and aim of psychiatrics and addictology, their history. Aid for people with psychiatric disorders." (full-time course)

Psychiatric and behavioural disorders classification according to ICD-10. Psychiatric and narcological assistance in Ukraine (existing packages under the programme of medical guarantees in the NHSU). The principles of therapy, prevention and psychiatric disorders rehabilitation. Learning the fundamentals of health care legislation, especially basic principles of LU "Psychiatric Care Act". Activities and tasks of mobile psychiatric health service brigades. Palliative aid for people with psychiatric disorders, demonstrations. Virtual simulation (solving situational tasks on voluntary and forced hospitalisation of people with psychosis, suicidal, hetero-aggressive behaviour). Studying of this topic involves theoretical work in the training room; work with patients in the specialized departments in the absence of quarantine restrictions.

pr.tr.2 "Feeling and perceptual disorders. Psychosensorial disorders. Memory disorders." (full-time course)

Sensation and perceptual disorders are specific in psychiatric, some neurological and somatic diseases. Therefore, their detection is highly diagnostic. Sensation disorders such as hyperaesthesia, hypoesthesia, anaesthesia, senestopathy. Perceptual disorders such as illusions (affective, verbal, pareidolic). Psychosensorial disorders such as derealisation, depersonalisation, dysmorphopsia. Hallucinations: visual, auditory, olfactory, tactile etc.; simple and complex; real and pseudo hallucinations. Imperative, commenting and neuter. Hallucinosis. Hypnagogic and hypnopompic hallucinations. Psychophysiological basis of sensation, perceptual and imaginary disorders. Detection methods. Age peculiarities. Virtual simulation (solving situational tasks, research of person's cognitive sphere with the help of psychodiagnostic methods). Memory disorders classification. Hypo-, hyper-, amnesia. Organic amnesic syndrome (Korsakov's), dement syndrome. Pathopsychological mnesic disorders diagnosis. Virtual simulation: use of psychometric scales (MMSE, CDR, mini cog, clock drawing test). Studying of this topic involves theoretical work in the training room; work with patients in the specialized departments in the absence of quarantine restrictions.

Topic 2. Thought and intelligence disorders. Emotional disorders. Effector sphere disorders.

pr.tr.3 "Thought and intelligence disorders." (full-time course)

Thought and intellect disorders. Types of delusions, definitions. Delution formation mechanisms. Main delusional syndromes (paranoiac, paranoid, paraphrenic). Intelligence parts, intellectual disability stages. Acquisition of diagnostic methods of pathopsychological thought and intellect disorders: methods of object generalization and exclusion, associations, storytelling for thought disorders diagnosis; Wechsler test of the level of intellectual development diagnosis. Defects of intellectual development, the degree of underdevelopment of intelligence: dementia, moronity, imbecility, idiocy. Virtual simulation (demonstration of the thematic sick, self-diagnosis of the thought and intellect sphere). Studying of this topic involves theoretical work in the training room; work with patients in the specialized departments in the absence of quarantine restrictions.

pr.tr.4 "Emotional disorders. Effector sphere disorders." (full-time course)

Emotional disorders. Main psychopatological syndromes. Acquisition of the psychopatological diagnostic method of affective disorders. Work with the use of psychopatological methods (Hamilton, Beck, HADS, Zung scales, suicide risk diagnostic scales). Volition obsessions disorder. Acquisition of the psychopatological diagnostic method of effector sphere disorders (hyperprosexia, hypoprosexia, parabularia). Sexual perversions, distortions of instinctive activity, food instinct (anorexia, bulimia, paraphagia), self-preservation instinct (autoaggressive, suicidal behaviour). Apathy abulia syndrome in the mental illnesses clinic. Virtual simulation (demonstration of thematic videos and/or thematic patients, clinical problem solving). Studying of this topic involves theoretical work in the training room; work with patients in the specialized departments in the absence of quarantine restrictions.

Topic 3. Consciousness and self-consciousness disorders. Psychopathological syndromes. Flow modular control.

pr.tr.5 "Consciousness and self-consciousness disorders." (full-time course)

Criteria for clear consciousness according to K. Jaspers. Productive (delirium, oneyroid, athymia, twilight state) and non-productive (clouding, sopor, coma) consciousness disorders in medical practice. Virtual simulation (demonstration of thematic videos and/or thematic patients, clinical problem solving). Studying of this topic involves theoretical work in the training room; work with patients in the specialized departments in the absence of quarantine restrictions.

pr.tr.6 "Psychopathological syndromes. Flow modular control." (full-time course)

Main psychopathological syndromes (psychotic automatism syndrome, organic amnesic syndrome, affective syndromes, hallucinosis syndromes, delusional syndromes, cloudiness syndromes, presudoneurotic, psychopathy-like and convulsive syndromes. Management of patients with psychiatric and behavioural disorders in the department, acquisition of writing a psychiatric history method. Studying of this topic involves theoretical work in the training room; work with patients in the specialized departments in the absence of quarantine restrictions. Interim modular control is carried out by oral questioning and testing.

Topic 4. General characteristics of organic (including symptomatic) psychiatric disorders.

lect.1 "Psychiatric disorders caused by exogenous brain damages. Psychiatric disorders caused by vascular brain damages." (full-time course)

General characteristics of organic (including symptomatic) psychiatric disorders. Somatogenic psychiatric disorders (psychiatric disorders in patients with somatic and endocrine diseases, cerebral vascular damages). Exogenies (psychiatric disorders caused by infectious diseases, craniocerebral injuries, intoxications, environmental hazards. Teaching format is multimedia lectures (on-line during the quarantine).

pr.tr.7 "General characteristics of organic (including symptomatic) psychiatric disorders." (full-time course)

Somatogenic psychiatric disorders. Psychiatric disorders in patients with somatic and endocrine diseases. Psychiatric disorders in patients with cerebral vascular damages. Exogenies. Psychiatric disorders caused by infectious diseases. Psychiatric disorders caused by craniocerebral injuries. Psychiatric disorders caused by intoxications. Psychiatric disorders caused by environmental hazards. Psychiatric disorders of elderly and senile people. Studying of this topic involves theoretical work in the training room; work with patients in the specialized departments in the absence of quarantine restrictions.

Topic 5. Medical and social problems of alcohol consumption. Medical and social problems of psychoactive drug consumption.

pr.tr.8 "Medical and social problems of alcohol consumption. Psychiatric and behavioural disorders caused by alcohol consumption" (full-time course)

Medical and social problems of psychoactive drug consumption. Legal issues of addictology. Psychiatric and behavioural disorders caused by alcohol consumption. Withdrawal syndrome, alcoholic psychoses (alcoholic delirium, alcoholic encephalopathy). Treatment based on the evidentiary medicine. Virtual simulation (demonstration of thematic videos and/or thematic patients, clinical problem solving). Studying of this topic involves theoretical work in the training room; work with patients in the specialized departments in the absence of quarantine restrictions.

pr.tr.9 "Medical and social problems of psychoactive drug consumption. Psychiatric and behavioural disorders caused by psychoactive drug consumption." (full-time course)

Virtual simulation (demonstration of thematic videos and/or thematic patients, clinical problem solving). Studying of this topic involves theoretical work in the training room; work with patients in the specialized departments in the absence of quarantine restrictions Psychiatric and behavioural disorders caused by psychoactive drug consumption. Psychiatric and behavioural disorders caused by consumption of substances, which are not in the national drug list. Addiction syndrome, withdrawal syndrome (clinic, diagnostic methods of drug intoxication states, principles of drug abuse treatment). Introduction to the work of the room (site) and methods of substitution maintenance therapy (SMT), the room of harm reduction from psychoactive substances injection. The issue of drug prevention among the society.

Topic 6. General characteristics of psychogenic diseases. Neurotic and somatoform disorders. Reactive psychosis.

pr.tr.10 "General characteristics of psychogenic diseases. Neurotic and somatoform disorders." (full-time course)

Neurotic, stress-related and somatoform disorders. Neurasthenia: clinic, diagnosis, treatment. Conversion (dissociative) disorders: clinic, diagnosis, treatment. Obsessive-compulsive disorder: clinic, diagnosis, treatment. Hypochondriac disorders, somatoform autonomic dysfunction (clinic, diagnosis, treatment). Virtual simulation (demonstration of thematic videos and/or thematic patients, clinical problem solving). Studying of this topic involves theoretical work in the training room; work with patients in the specialized departments in the absence of quarantine restrictions.

pr.tr.11 "Reactive psychosis." (full-time course)

Reactive psychosis. General characteristics. Affective shock reactions. Acute and chronic reactive psychosis, general clinical features, Jaspers' criteria. Reactive depression, reactive paranoid, induced paranoid psychosis, deafish delusion, chronic reactive stupor. Age peculiarities, consequences. Reactive psychosis therapy, their evaluation, prevention, rehabilitation. Posttraumatic stress disorder (PTSD). The concept definition. Causes of PTSD. Clinical features: emotional disengagement, numbness of feelings and cues avoidance that can trigger memories of trauma. Autonomic disorders. Social functioning disorder. Suicidal and substance pre-abuse tendencies. Prevention and treatment. Work in the simulation room (acquisition of the method of crisis counselling, psychological first aid in the combat context, to victims of violence, to internally displaced people, to victims of industrial disasters). Studying of this topic involves theoretical work in the training room; work with patients in the specialized departments in the absence of quarantine restrictions.

Topic 7. Schizophrenia. Schizotypal and delusional disorders.

lect.2 "Schizophrenia. Affective Disorders." (full-time course)

Schizophrenia. The basic hypotheses of pathogenesis, clinical forms and types of progression. General principles of schizophrenia treatment based on the evidentiary medicine. Atypical antipsychotics. Bipolar affective disorder. Clinical displays of maniac and depressed phases. Intermision. Variants of course. Somatic vegetative equivalents of endogenous depression, Protopopov`s triad. Cyclotomy. Hypomanias. Subdepressions. Features of affective diseases in children. Features of supervision after patients in the state of depression. Principles of prophylaxis and therapy of highly emotional psychoses on principles of evidential medicine. Anti-relapsing therapy during bipolar affective disorder. Non-drug treatments for depressive disorders. Problems of examination and rehabilitation of patients with highly emotional psychical violations. Masked depression, its somatic vegetative and psychopathological signs. Issues of etiopathogenesis, diagnosis, clinic, treatment, differential diagnosis. Teaching is conducted out in the form of multimedia lectures (in the presence of quarantine - online).

pr.tr.12 "Schizophrenia." (full-time course)

Definition of schizophrenia. Issues of aetiopathogenesis, diagnosis of specific thought disorders). Forms of schizophrenia (simple, paranoid, catatonic, hebephrenic). Types of schizophrenia progression. Main clinical aspects (positive, negative and affective symptoms). Principles of schizophrenia treatment on the basis of the evidentiary medicine, a multidisciplinary, personalised approach. Principles of modern antipsychotic therapy with atypical neuroleptics. Medical and social rehabilitation of patients with schizophrenia. Application of the psychotherapeutic and psychosocial methods (self-care trainings, art therapy, communication skills trainings, crisis psychotherapy, psychoeducation). Virtual simulation (demonstration of thematic videos and/or thematic patients in the specialized department in the absence of quarantine restrictions, clinical problem solving).

pr.tr.13 "Schizotypal and delusional disorders." (full-time course)

Schizotypal and delusional disorders. Emergence conditions, contributory causes, clinical symptoms, treatment, final condition. Induced delusional disorder. Schizoaffective disorder. Current understanding of genesis, prevalence. Clinical symptomatology. Treatment of schizoaffective disorders. Medical, social and psychological rehabilitation of patients. Virtual simulation (demonstration of thematic videos and/or thematic patients in the specialized department in the absence of quarantine restrictions, clinical problem solving).

Topic 8. Affective Disorders. Epilepsy.

lect.3 "Epilepsy." (full-time course)

Epilepsy. Etiology and pathogenesis. Classification. Epileptic psychoses. Personality changes in patients with epilepsy. Questions of diagnostics, clinic, treatment based on evidentiary medicine. Teaching is conducted in the form of multimedia lectures (in the presence of quarantine - online).

pr.tr.14 "Affective Disorders." (full-time course)

Definition, prevalence. Bipolar affective disorder. Clinical manifestations of manic and depressive phases. Intermision. Flow options. Somatic vegetative equivalents of endogenous depression, Protopopov's triad. Cyclothymia. Hypomania. Subdepression. Features of affective diseases in children. Features of supervision of patients in a state of depression. Principles of prevention and treatment of affective psychoses. Anti-relapsing therapy for bipolar affective disorders. Non-drug treatments for depressive disorders. Problems of examination and medical and social rehabilitation of patients with affective mental disorders. Virtual simulation (demonstration of thematic videos and / or thematic patients in the profile department in the absence of quarantine restrictions, solving clinical problems).

pr.tr.15 "Masked (somatized) depressions." (full-time course)

Masked depression, its somatic vegetative and psychopathological signs. Issues of etiopathogenesis, diagnosis, clinic, treatment, differential diagnosis. Work in a simulation class (mastering the psychodiagnostics of depression and suicide risk, demonstration of thematic videos). In the absence of quarantine restrictions, clinical analysis of thematic patients in the specialized department of the medical institution.

pr.tr.16 "Epilepsy." (full-time course)

Definition of epilepsy, its prevalence. The concept of epileptic reaction, symptomatic epilepsy, epileptic disease. Etiology and pathogenesis of epilepsy. The concept of epileptic and epileptogenic focus. Primary (genuine) and secondary (symptomatic) epilepsy, features of its occurrence and course. The concept of epileptic reactions and epileptiform syndrome. Classification of epilepsy: generalized and focal (local, partial). Classification of epileptic paroxysms. Simple partial seizures (without disturbance of consciousness): motor, sensory, with vegetative-visceral manifestations, with disturbance of mental functions (dysphasic, dysmnesic, with disturbance of thinking, affective, with illusions, with difficult hallucinations). Complex partial seizures (with impaired consciousness). Generalized seizures (absences, myoclonic, clonic, tonic, tonic-clonic, atonic). Secondary generalized seizures. Status epilepticus. The concept of "mental equivalent". Psychosis (acute and chronic), personality changes due to epilepsy. Issues of etiopathogenesis, diagnosis, clinic, treatment. Mastering the psychodiagnostics of personality changes due to epilepsy, demonstration of thematic videos, clinical analysis of thematic patients in the profile department in the absence of quarantine restrictions (according to the agreement on cooperation between the medical institution and the university).

Topic 9. Mental retardation. Psychopathy and pathocharacterological germination of personality. Disorders of psychological germination.

pr.tr.17 "Mental retardation." (full-time course)

Definition of oligophrenia. Prevalence. Etiology and pathogenetic mechanisms of formation of mental retardation. Classification of oligophrenia. Degrees and clinical forms of oligophrenia: mild mental retardation (debility), moderate and severe mental retardation (imbecility), deep mental retardation (idiocy). Somatic neurological symptoms. Differential diagnosis with defective conditions of other etiology. Dynamics of oligophrenia. Principles of treatment, medical and pedagogical correction. Social and labor rehabilitation. Preventive measures. Examination of mental retardation. Borderline mental retardation and psychophysical infantilism. Teaching is carried out in the classroom, in the absence of quarantine restrictions, clinical analysis of thematic patients in the specialized psychiatric department.

<p>pr.tr.18 "Psychopathy and pathocharacterological development of personality." (full-time course)</p> <p>Classification of psychopathy. Personality disorders in adulthood: paranoid personality disorder; schizophrenic personality disorder; dissocial personality disorder; emotionally - unstable personality disorder; hysterical personality disorder; anxiety disorder; addictive personality disorder; mixed and other personality disorders. Issues of etiopathogenesis, diagnosis, clinic, treatment, differential diagnosis. Virtual simulation (demonstration of thematic videos and/or thematic patients in the psychiatric department of a medical institution).</p>
<p>Topic 10. Children's autism. Behavioral disorders emerging in childhood and adolescence. Childhood and adolescent schizophrenia. Differentiated test.</p>
<p>pr.tr.19 "Childhood autism. Behavioral disorders emerging in childhood and adolescence. Childhood and adolescent schizophrenia." (full-time course)</p> <p>Definition of the concept of "attention deficit hyperactivity disorder". Spread. Etiological factors and pathogenetic mechanisms of hyperkinetic disorders. Clinical manifestations. Disorders of social behavior in relation to socio-cultural factors. Diagnosis and differential diagnosis. Dynamics. Forecast. Children's issues and juvenile delinquency. Treatment of hyperkinetic and behavioral disorders. Medical and pedagogical correction. Social rehabilitation. Prevention issues and expertise. Features of childhood schizophrenia. RDA (early childhood autism): clinic, diagnostics. Treatment. Work in a simulation class (mastering methods speech therapy correction, neuropsychological rehabilitation, sensory stimulation, art-, music therapy). In the absence of quarantine restrictions, clinical analysis is thematic patients in the profile department of the medical institution.</p>
<p>pr.tr.20 "Differentiated test." (full-time course)</p> <p>Differentiated test is conducted in the form of oral examination and testing.</p>

7.2 Learning activities

LA1	E-learning on the platforms Google Meet, Zoom, MIX
LA2	Writing and defending a medical case history
LA3	Case discussion
LA4	Preparations to Krok-2
LA5	Preparations to practical trainings
LA6	Self-learning
LA7	Participation in discussion (group and pair)
LA8	Work with textbooks and relevant information sources
LA9	Individual research project (student research paper, article, thesis, etc.)
LA10	Practical work with the patient in the specialized departments of the hospital
LA11	Watching educational films
LA12	Interpretation of pathopsychological, functional, neuroimaging examination data
LA13	Preparation for differentiated test

8. Teaching methods

Course involves learning through:

TM1	Demonstration method
TM2	Case-based learning (CBL)
TM3	Team-based learning (TBL)
TM4	Research-based learning (RBL). Навчання через дослідження
TM5	Обмін думками (think-pair-share)
TM6	Interactive lectures
TM7	Brain storm
TM8	Educational discussion/debates

The discipline is taught using modern teaching methods (CBL, TBL, RBL), which not only promote the development of professional skills, but also stimulate creative and scientific activity and aimed at training practice-oriented specialists.

In accordance with the requirements of the OP discipline provides a communication strategy in the professional activities; ability to abstract thinking, analysis, synthesis; ability to accept reasonable decisions, skills of using information and communication technologies; interpersonal skills; ability to apply knowledge in practical situations, ability to adapt and act in a new situation.

9. Methods and criteria for assessment

9.1. Assessment criteria

Definition	National scale	Rating scale
Outstanding performance without errors	5 (Excellent)	$170 \leq RD \leq 200$
Above the average standard but with minor errors	4 (Good)	$140 \leq RD < 169$
Fair but with significant shortcomings	3 (Satisfactory)	$120 \leq RD < 139$
Fail – some more work required before the credit can be awarded	2 (Fail)	$0 \leq RD < 119$

9.2 Formative assessment

FA1	Interviews and oral comments of the teacher on his results
FA2	Solving situational tasks from Krok-2
FA3	Independent performance by students of clinical cases at practical classes and their discussion
FA4	Checking and evaluating written assignments
FA5	Defense a medical case history
FA5	Testing
FA6	Взаємооцінювання (peer assessment)

FA7	Defense of an individual research project (presentation at a conference, competition of scientific works)
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9.3 Summative assessment

SA1	Overall score for current performance (oral examination, solving clinical cases, current testing, evaluation of written works).
SA2	Defense a medical disease history
SA3	Testing
SA4	Defense of an individual research project (incentive activities, additional points)
SA5	Making a practice-oriented differentiated test

Form of assessment:

8 semester		200 scores
SA1. Overall score for current performance (oral examination, solving clinical cases, current testing, evaluation of written works).		100
		100
SA2. Defense a medical disease history		10
		10
SA3. Testing		10
		10
SA5. Making a practice-oriented differentiated test		80
		80

Form of assessment (special cases):

8 semester		200 scores
SA1. Overall score for current performance (oral examination, solving clinical cases, current testing, evaluation of written works).		100
	In case of quarantine restrictions, evaluation of written works, surveys, clinical case resolution are conducted remotely using the Mix.sumdu.edu.ua, Zoom, Google meet platforms.	100
SA2. Defense a medical disease history		10
	In case of quarantine restrictions, the protection of the medical history is carried out remotely using the Mix.sumdu.edu.ua, Zoom, Google meet platforms.	10
SA3. Testing		10
	In case of quarantine restrictions, testing is performed remotely using the Mix.sumdu.edu.ua platform.	10
SA5. Making a practice-oriented differentiated test		80

	In the case of quarantine restrictions, the final module control is conducted remotely using Zoom and Google meet platforms.	80
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Assessment of knowledge is conducted by oral examination, assessment of written works of students, testing the level of knowledge. During the practical classes, clinical analysis of thematic patients and / or virtual simulation in case of quarantine restrictions is conducted by showing thematic videos, followed by writing student history and its defense, additionally evaluates participation in research work. In the case of quarantine restrictions on training, protection of medical history and control measures, assessment is conducted online on the Google Meet, Zoom, MIX platforms. When mastering the materials, the student is assigned a maximum of 5 points for each practical lesson (the mark is set in the traditional 5-point grading system). At the end of the academic year, the arithmetic mean of the student's progress is calculated. The maximum number of points that a student can receive in practical classes during the academic year is 110. The student's points are calculated using the formula 110 multiplied by the arithmetic mean and divided by 5. The following points are assigned for writing a medical history: "5" - 5 points, "4" - 4 points, "3" - 3 points, "2" - 0 points. Defense history: "5" - 5 points, "4" - 4 points, "3" - 3 points, "2" - 0 points. In total, a student can receive a maximum of 10 points for a medical history, 10 points for testing, and a minimum required score of 6. The maximum number of points for a student's current educational activity is 120. A student is admitted to modular control, provided that the requirements of the curriculum are met and if he scored at least 72 points in his educational activities: 66.0 points during practical training and 6.0 points for writing a medical history. The grade for the final control is set in the traditional 5-point grading system with subsequent translation into points, while the grade is "5" corresponds to 80 points, "4" - 64 points, "3" - 48 points, "2" - 0 points. The test is valid a student if he scored at least 48 out of 80 scores. Encouraging points are added to the assessment in the discipline for the implementation of an individual research project (defense of a student's scientific work - 12 points, conference speech - 5 points, presentation at a conference - 4 points, abstracts - 3 points). The total score for the discipline cannot exceed 200 points.

10. Learning resources

10.1 Material and technical support

MTS1	Library funds, atlas for experimental psychological research of the person, psychometric scales.
MTS2	Computers, computer systems and networks.
MTS3	Medical facilities/premises and equipment (Sumy Regional Clinical Center of Socially Dangerous Diseases)
MTS4	Multimedia, video and audio, projection equipment (video cameras, projectors, screens, smart boards, laptops, etc.)
MTS5	Software (online lectures, practical cases, demonstration of virtual patients, testing on the platform of blended learning MIX, conducting practical classes through electronic systems Google Meet, Zoom)

MTS6	Technical means (movies, radio and television programs, audio and video recordings). Axon st computer electroencephalography system, Neurocom electroencephalographic software and hardware complex with research of long-latent auditory visual and cognitive evoked potentials, rheograph (REG, RVG) 4-channel computer with Regina 2000 cardiochannel, rheographic system Rheograph, electrocardiograph HEART SCREEN 112 CLINIC, etc.)
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10.2 Information and methodical support

Essential Reading	
1	Psychiatry and Narcology (textbook) — Н.М. Kozhyna, Т.С. Mishchenko, N.O. Maruta et al.,— Kyiv : AUS Medicine Publishing, 2021. — 352 p.
2	Psychiatry. Part 1 : manual for individual work of students = Психіатрія та наркологія. Частина 1 : робочий зошит для самостійної роботи студентів / упоряд.: Г. М. Кожина, В. М. Сінайко, І. М. Стрельнікова, І. В. Лещина, К. О. Зеленська, І. Д. Вашкіте. – Харків, 2018. – 186 с.
3	Psychiatry (Part 2) : workbook manual for individual work of students / I. Strelnikova, G. Samardacova, K. Zelenska – Kharkiv, 2019. – 103 p.
4	Epilepsy, epileptic paroxysmal symptoms, mental disorders, treatment : методичні вказівки для підготовки студентів до практичних занять / упоряд.: І. М. Стрельнікова, В. М. Сінайко. – Харків : ХНМУ, 2018. – 17 с.
5	Organic and symptomatic mental disorders : manual recommendations for medical students on discipline Psychiatry and Narcology /A. Kogyna, V. Korostiy, V. Sinayko, V. Mykhaylov, S. Hmain. – Kharkiv : KNMU, 2018. – 34 p.
Supplemental Reading	
1	Mudrenko I. H. Peculiarities of higher psychological functions and emotional sphere in patients with dementia of various types associated with suicidal risk // Inter Collegass. 2018. Vol. 5, № 1. P. 46–49.
2	Mudrenko I. H. Gender characteristics of depressive symptoms in dementia in patients with suicidal behavior // Inter Collegass. 2018. Vol. 5, № 4. P. 182–187.
3	Case history of mental patient : workbook = Схема історії хвороби психічного хворого : робочий зошит для студентів медичних вузів із англійською мовою навчання / упоряд.: В. М. Сінайко, І. М. Стрельнікова, І. В. Лещина, Л. Д. Коровіна. – Харків : ХНМУ, 2017. – 26 с.
4	Schizophrenia, acute psychotic episode : методичні вказівки для підготовки студентів до практичних занять / упоряд.: І. В. Лещина, В. М. Сінайко. – Харків : ХНМУ, 2018. – 23 с.
5	Clinical-psychopathologic mechanisms of formation of suicidal behavior in dementia. (2020). E-Poster Presentations. European Psychiatry, 63(S1), S45-S282. DOI: https://doi.org/10.1192/j.eurpsy.2020.5
6	Мудренко, И. Г., Потапов, А. А., & Сотников, Д. Д. (2019). Gender-based Correlates of High Suicidal Risk in Patients with Various Types of Dementia. Психиатрия, психотерапия и клиническая психология, (1), 87-95.

7	Mudrenko, I. (2018). Clinical phenomenology of suicidal behavior in dementia of various types. ScienceRise: Medical Science, (1 (21), 38–44.
Web-based and electronic resources	
1	http://repo.knmu.edu.ua/bitstream/123456789/23074/1/Робочий%20зошит.%20Психіатрія%20ч%201%20English%202018%20%281%29.pdf
2	http://repo.knmu.edu.ua/bitstream/123456789/23488/1/Workbook%20Psychiatry%202-2019.pdf
3	http://repo.knmu.edu.ua/handle/123456789/28997
4	http://repo.knmu.edu.ua/handle/123456789/23022