

**MINISTRY OF EDUCATION AND SCIENCE OF UKRAINE**

**SUMY STATE UNIVERSITY**

Medical Institute

Кафедра нейрохірургії та неврології з курсами психіатрії, наркології, медичної психології, професійних хвороб

**MEDICAL PSYCHOLOGY**

<b>Higher education level</b>	The Second
<b>Major: study programme</b>	222 Medicine: Medicine, 221 Dental Studies: Dental Studies

Approved by Quality Council

\_\_\_\_\_  
Protocol dated \_\_\_\_\_ № \_\_\_\_\_

Chairman of the Quality Council

\_\_\_\_\_  
Primova Liudmyla  
Oleksandrivna

## DATA ON REVIEWS AND APPROVAL

Author

Mudrenko Iryna Hryhorivna

Review of the course descriptor	<hr style="border: 0; border-top: 1px solid black; margin-bottom: 5px;"/> <hr style="border: 0; border-top: 1px solid black; margin-bottom: 5px;"/>
Considered and approved at the meeting of the work group of Study programme Стоматологія	Protocol dated _____ № _____  Head of the work group (Head of the Study programme)  _____ Lakhtin Yurii Volodymyrovych
Considered and approved at the meeting of the work group of Study programme Медицина	Protocol dated _____ № _____  Head of the work group (Head of the Study programme)  _____ Prystupa Liudmyla Nykodymivna
Considered and approved at the meeting of the Кафедра нейрохірургії та неврології з курсами психіатрії, наркології, медичної психології, професійних хвороб	Protocol dated _____ № _____  Head of the Department  _____ Potapov Oleksandr Oleksandrovych

Data on the review:

Year	№ Annex with the description of amendments made	Amendments considered and approved			
		Approved by the work group of study programme, protocol №	Head of the study programme, signature	Approved by the Department, date and protocol №	Head of the Department

# SYLLABUS

## 1. General information on the course

<b>Full course name</b>	Medical Psychology
<b>Full official name of a higher education institution</b>	Sumy State University
<b>Full name of a structural unit</b>	Medical Institute. Кафедра нейрохірургії та неврології з курсами психіатрії, наркології, медичної психології, професійних хвороб
<b>Author(s)</b>	Mudrenko Iryna Hryhorivna
<b>Cycle/higher education level</b>	The Second Level Of Higher Education, National Qualifications Framework Of Ukraine – The 7th Level, QF-LLL – The 7th Level, FQ-EHEA – The Second Cycle
<b>Semester</b>	18 weeks during the 5th semester
<b>Workload</b>	The volume of the discipline is 5 credits ECTS, 150 hours, of which 36 hours is contact work with the teacher (36 practical classes), 114 - independent work of students.
<b>Language(s)</b>	English

## 2. Place in the study programme

<b>Relation to curriculum</b>	Elective course available for study programmes "Dental Studies", "Medicine"
<b>Prerequisites</b>	There are no specific pre-requisites
<b>Additional requirements</b>	There are no specific requirements
<b>Restrictions</b>	There are no specific restrictions

## 3. Aims of the course

The main purpose of the discipline is to achieve students' modern knowledge and professional skills in medical psychology necessary for pathopsychological diagnosis of mental functions and psychocorrectional work, solving complex problems in health care, research and innovation in accordance with the principles of bioethics and academic integrity.

## 4. Contents

Topic 1 Topic 1. Subject, tasks, and methods of research of human psychological condition. The concept of mental health

The subject and tasks of medical psychology. Medical psychology as well as psychological and medical psychology science. Theoretical and methodological foundations of medical psychology. The role of medical psychology in formation of modern ideas about the unity of somatic and mental. The role of the clinical psychologist and Doctor - medical psychologist in the diagnostic, therapeutic, and rehabilitation processes. Methods of psychological study: observation, self-monitoring, directed psychological conversation. Psychological and diagnostic methods, their role in the psychological diagnosis of patients. Principles of construction of complex psychological research taking into account the age and cultural features of patients. Determination of mental health and psychological levels of human adaptation. WHO health criteria.

Topic 2 Topic 2. Psychology of cognitive mental processes

The concept of attention as a special form of mental activity. Physiological basis of attention. Classification of types of attention. Characteristics of the basic properties of attention. Individual differences in attention. Inattention and its causes. The importance of attention in the professional activity of a doctor. General characteristics of cognitive processes. The concept of sensations. Physiological basis sensations. Basic properties of the sensation. Sensitivity of analyzers, sensitivity thresholds. Classification and types of sensations. Painful sensations. Individual differences of sensations, their diagnostics. The concept of perception. Physiological basis of perception. Characteristic basic properties of perception. Types of perception. Individual differences in perception, their diagnostics. Feeling and perception in the professional activity of a doctor. The concept of memory. Psychological theories of memory. Classification of memory types and their relationship. Characteristics of the main processes of memory. Memorization and its varieties. Storage, conditions of information storage. Reproduction and its varieties. Forgetting and its causes. Individual differences in memory, their diagnosis, and development. Memory in the professional activity of a doctor. The concept of thinking and understanding of its specifics in comparison with direct sensory reflection. The social nature of thinking. Basic theories o

Topic 3 Topic 3. Psychology of the emotional-volitional sphere

The concept of emotions and feelings. Psychological theories of emotions. Physiological basis of emotions and feelings. Expression of emotions and feelings. Forms of experience of emotions and feelings. Types of emotions. Types of feelings. Higher feelings. The main criteria of the emotional process. Emotions and human health. Consideration of the patient's emotional state during treatment. The role of emotional states in the regulation of human behavior and activity. Diagnostics of the emotional sphere of personality. The concept of will. Physiological basis of will. Psychological theories of will. The concept of voluntary and involuntary action. Simple and complex volitional action, their analysis. The concept of volitional effort and willpower. Idleness and its causes. The main volitional qualities of personality, their formation. Volitional qualities of a doctor and their importance in professional activity.

Topic 4 Topic 4. The state of mental functions and illness.

Cognitive processes of the person: features of sensations and perception in somatic patients, changes of attention. Influence of features of intelligence of the patient on the medical process. Influence of speech disorders on the treatment process: dysarthria, stuttering, mutism. Clinical and psychological aspects of the emotional-volitional sphere. The impact of the disease on the emotional-volitional sphere of a human. The problem of unresponsive emotions and autorelaxation. Painful changes in emotions: anxiety, depression, emotional lability. Willful qualities of personality: endurance, determination, perseverance, initiative, organization, and their role in the treatment process. Changes in will, urges, and behavior during the disease (hypobulia, abulia, asthenia). Consciousness, self-consciousness, their levels. Theory without consciousness (individual subconscious "Id" by Z. Freud, collective subconscious "archetypes" by K. G. Jung). The psychodynamic approach in medicine. Criteria of undisturbed consciousness. States of consciousness in a patient: with fatigue, drowsiness, affective-narrowed state. Special states of consciousness.

Topic 5 Topic 5. Psychology of individual differences.

The concept of temperament, its role in mental activity and behavior. Basic properties of temperament. Physiological foundations of temperament. Theories of temperament. Types of temperament, their psychological characteristics, and diagnosis. Taking into account the features of the patient's temperament in the professional activity of a doctor. The concept of character, its relationship with temperament. Physiological foundations of character. The structure of character. Classification of character traits. Typical and individual in character. Definition of personality accentuation. Typology of personality accentuations, classification of personality accentuations by C. Leongard, A. E. Lychko. Tactics of the doctor's behavior with patients who have accentuated personality traits. Features of the psychology of sick children and older people. The internal picture of the disease - subjective perception of the disease by the patient. The main areas of the internal picture of the disease: sensory, emotional, volitional, rational - informative. The role of features of clinical manifestations of the disease, the severity of the current, and genesis. Circumstances of the patient's life, in which the disease occurs. Premorbid personality traits (age, temperament, character accentuation, degree of sensitivity to stress). Types of patients. Classification of the basic types of attitude to the disease (harmonious, anosogenous, hypochondri

Topic 6 Topic 6. Psychology of medical workers.

The main motives for choosing a profession of a medical worker. The main requirements for the personality of medical workers. The importance of professional orientation in the choice of profession of a physician. Important professional qualities of the doctor. Defining the concepts of "medical duty" and "medical confidentiality. Medical errors: causes and types. Psychological types of doctors. General practitioner's profession (knowledge and skills, professional practical skills) and personality requirements. The concept of professional deformation Features of professions that develop professional deformation. Signs of professional deformation, "emotional burnout syndrome", ways to prevent it. Creation of conditions for self-actualization of the personality. Basics of communication with colleagues, conditions to create a healthy psychological climate in the medical environment. Compliance with the rules of deontology and subordination. Observance of moral and ethical requirements. Ability to empathize and communication style. Emotional satisfaction from contacts between team members. Types of communication in the medical environment: interpersonal, individual-group, collective-individual, group. Features of communication between doctors and nurses.

Topic 7 Topic 7. Psychology of therapeutic and diagnostic process.

Psychological basics of communication in the treatment process. Communicative competence, its role in effective and conflict-free interaction. Functions of communication: informative-communicative, communicative, affective-communicative. The role of psychological features of the doctor and nurse, "ideal doctor" and "ideal nurse". Psychological features of the stages of the diagnostic process. Medical deontology. Informed consent of the patient. Informing the patient of the diagnosis. Interaction and communication of the doctor with patients and their relatives. Paternalism, its role in the diagnostic process. The importance of the patient's psychological attitude. Conflicts in medical environments, their varieties. Scheme of conflict development. Conflicts in doctor's activity. Peculiarities of conflicts between persons acting in the therapeutic and diagnostic process. Methods of conflict resolution and prevention.

Topic 8 Topic 8. The reaction of the individual to the disease. Nosogeny.

The impact of the disease on the emotional state. Nosogeny. The principles of psychotherapeutic correction attitude to the disease, the doctor's tactics to patients with pathological types of response to the disease.

Topic 9 Topic 9. Mental stress.

Emotional stress as a factor of etiopathogenesis of psychosomatic disorders. Psychosomatic interconnections. The influence of psychological factors on the course of somatic disorders. Violation adaptation, distress.

Topic 10 Topic 10. Psychosomatic disorders.

Psychosomatic approach in medical psychology and medicine. Psychosomatic approach as a principle of therapeutic activity. Biopsychosocial concept of disease. Theories of psychosomatic relationships: psychoanalytic, neurohumoral, physiological, cortico-visceral. Mechanisms of psychological protection of the personality. The concept of adaptation and maladaptation. Classification of psychosomatic disorders. Non-pathological psychosomatic reactions: motor, visceral, sensory, etc. "Large" psychosomatic diseases. Principles of prevention of psychosomatic disorders.

Topic 11 Topic 11. Masked depressions.

Definition, prevalence, gender characteristics, clinic and diagnostics, clinical options. Principles of care for patients with masked depression.

Topic 12 Topic 12. Psychological features of patients with somatic diseases.

Psychological changes in cardiovascular system diseases, bronchi and lungs, digestive tract, kidneys, infectious diseases, tuberculosis, AIDS, endocrine, mental and nervous diseases. Psychological changes in sick women in the gynecological hospital. Psychological features of women during pregnancy and childbirth. Psychological features of patients in a surgical hospital in the pre- and postoperative period. Psychological features of patients in dentistry, ophthalmology, otolaryngology, orthopedics, and traumatology, oncology. Influence on the human psyche of congenital and acquired physical defects.

Topic 13 Topic 13. Psychological aspects of deviant behavior.

Psychological aspects of addiction to psychoactive substances, valuable hobbies (gambling, Internet - addiction), the addition of eating disorder. Psychological features of the addicted person in the therapeutic process. Family and social relations of the addicted person, co-dependence.

<p>Topic 14 Topic 14. Psychological aspects of suicidal behavior, dying patient and euthanasia.</p> <p>Suicidal behavior, prevention, and early recognition of suicidal tendencies. Suicide, reason and purpose. There are different types of behavior: "protest", "avoidance", "call", "self-punishment", "rejection". Timely detection of suicidal thoughts and intentions. Role of social works, crisis center. Features of suicidal behavior in patients with oncology, on AIDS, with congenital and acquired physical defects. Psychological features of suicide behavior in dependencies. Psychological aspects of dying and death. Euthanasia: pros and cons. Auxiliary to the dying sickness, as an alternative to euthanasia.</p>
<p>Topic 15 Topic 15. Fundamentals of psychohygiene. Fundamentals of psychoprophylaxis.</p> <p>Definition of "psychohygiene", "psychoprophylaxis", primary and secondary psychoprophylaxis. The main sections of psychohygiene: age psychohygiene, psychohygiene of work and life, family and sex life. Ways to preserve and strengthen mental health. Principles of psychoprophylaxis of work, life, family, and sexual relations. The role of the general practitioner in the prevention of nosopsychological manifestations.</p>
<p>Topic 16 Topic 16. Psychological consultation. Rehabilitation. Basics of psychotherapy.</p> <p>Psychological counseling, its principles. Psychocorrection. Psychological assistance in times of crisis and psychological features of emergency medical care situations. Rehabilitation is social and professional, its main sections. Psychological and social rehabilitation of persons who became disabled during military service, and other persons affected in the military service performance (official duties) in Ukraine. Adaptation and compensation. Psychotherapy as a branch of medical psychology and medicine. The main modern methods of psychotherapy. Principles of psychotherapy. Indirect psychotherapy, placebo. Methods and techniques of rational persuasion, suggestion in a state of infusion (suggestion), self-relaxation. Indications and contraindications for hypnosuggestion, individual and group rational psychotherapy, methods of psychoanalytic and psychodynamic psychotherapy, autopsychotherapy (auto-training and meditative techniques), gestalt therapy, neuro-linguistic programming, art therapy. Psychotherapy in the work of the general practitioner. Psychotherapeutic correction of the attitude to the disease. Features of psychotherapy and socio-psychological rehabilitation of patients with various pathologies.</p>
<p>Topic 17 Topic 17. Post-traumatic stress disorder (PTSD) as a delayed response to stress.</p> <p>Stress, traumatic stress and post-traumatic stress disorder. Nosological units MKH-10 associated with traumatic stress. Epidemiology of PTSD and its diagnostic criteria (avoidance symptoms, flashbacks), clinic, basics of treatment. Theoretical models of PTSD. Features of post-traumatic stress in children. Features of mental processes and states in PTSD. Individual features of PTSD experience. PTSD and internal conflicts. Work of mechanisms of psychological protection (dissociation). Technologies of psychological assistance in the situation of PTSD.</p>
<p>Topic 18 Differentiated exam.</p>

## 5. Intended learning outcomes of the course

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

LO1	Collect medical information about the patient and analyze clinical data.
LO3	Establish a preliminary and clinical diagnosis of the disease.

LO4	Determine the necessary mode of work and rest in the treatment and prevention of diseases.
LO13	Carry out sanitary and hygienic and psychoprophylactic measures.
LO17	Assess the impact of the environment, socio-economic and biological determinants on the health of the individual, family, population.

## 7. Teaching and learning activities

### 7.1 Types of training

#### **Topic 1. Topic 1. Subject, tasks, and methods of research of human psychological condition. The concept of mental health**

pr.tr.1 "Topic 1. Subject, tasks, and methods of research of human psychological condition. The concept of mental health" (full-time course)

The subject and tasks of medical psychology. Medical psychology as well as psychological and medical psychology science. Theoretical and methodological foundations of medical psychology. The role of medical psychology in formation of modern ideas about the unity of somatic and mental. The role of the clinical psychologist and Doctor - medical psychologist in the diagnostic, therapeutic, and rehabilitation processes. Methods of psychological study: observation, self-monitoring, directed psychological conversation. Psychological and diagnostic methods, their role in the psychological diagnosis of patients. Principles of construction of complex psychological research taking into account the age and cultural features of patients. Determination of mental health and psychological levels of human adaptation. WHO health criteria.

#### **Topic 2. Topic 2. Psychology of cognitive mental processes**

pr.tr.2 "Topic 2. Psychology of cognitive mental processes" (full-time course)

The concept of attention as a special form of mental activity. Physiological basis of attention. Classification of types of attention. Characteristics of the basic properties of attention. Individual differences in attention. Inattention and its causes. The importance of attention in the professional activity of a doctor. General characteristics of cognitive processes. The concept of sensations. Physiological basis sensations. Basic properties of the sensation. Sensitivity of analyzers, sensitivity thresholds. Classification and types of sensations. Painful sensations. Individual differences of sensations, their diagnostics. The concept of perception. Physiological basis of perception. Characteristic basic properties of perception. Types of perception. Individual differences in perception, their diagnostics. Feeling and perception in the professional activity of a doctor. The concept of memory. Psychological theories of memory. Classification of memory types and their relationship. Characteristics of the main processes of memory. Memorization and its varieties. Storage, conditions of information storage. Reproduction and its varieties. Forgetting and its causes. Individual differences in memory, their diagnosis, and development. Memory in the professional activity of a doctor. The concept of thinking and understanding of its specifics in comparison with direct sensory reflection. The social nature of thinking.

#### **Topic 3. Topic 3. Psychology of the emotional-volitional sphere**



pr.tr.3 "Topic 3. Psychology of the emotional-volitional sphere" (full-time course)

The concept of emotions and feelings. Psychological theories of emotions. Physiological basis of emotions and feelings. Expression of emotions and feelings. Forms of experience of emotions and feelings. Types of emotions. Types of feelings. Higher feelings. The main criteria of the emotional process. Emotions and human health. Consideration of the patient's emotional state during treatment. The role of emotional states in the regulation of human behavior and activity. Diagnostics of the emotional sphere of personality. The concept of will. Physiological basis of will. Psychological theories of will. The concept of voluntary and involuntary action. Simple and complex volitional action, their analysis. The concept of volitional effort and willpower. Idleness and its causes. The main volitional qualities of personality, their formation. Volitional qualities of a doctor and their importance in professional activity.

#### **Topic 4. Topic 4. The state of mental functions and illness.**

pr.tr.4 "Topic 4. The state of mental functions and illness." (full-time course)

Cognitive processes of the person: features of sensations and perception in somatic patients, changes of attention. Influence of features of intelligence of the patient on the medical process. Influence of speech disorders on the treatment process: dysarthria, stuttering, mutism. Clinical and psychological aspects of the emotional-volitional sphere. The impact of the disease on the emotional-volitional sphere of a human. The problem of unresponsive emotions and autorelaxation. Painful changes in emotions: anxiety, depression, emotional lability. Willful qualities of personality: endurance, determination, perseverance, initiative, organization, and their role in the treatment process. Changes in will, urges, and behavior during the disease (hypobulia, abulia, asthenia). Consciousness, self-consciousness, their levels. Theory without consciousness (individual subconscious "Id" by Z. Freud, collective subconscious "archetypes" by K. G. Jung). The psychodynamic approach in medicine. Criteria of undisturbed consciousness. States of consciousness in a patient: with fatigue, drowsiness, affective-narrowed state. Special states of consciousness.

#### **Topic 5. Topic 5. Psychology of individual differences.**

pr.tr.5 "Topic 5. Psychology of individual differences." (full-time course)

The concept of temperament, its role in mental activity and behavior. Basic properties of temperament. Physiological foundations of temperament. Theories of temperament. Types of temperament, their psychological characteristics, and diagnosis. Taking into account the features of the patient's temperament in the professional activity of a doctor. The concept of character, its relationship with temperament. Physiological foundations of character. The structure of character. Classification of character traits. Typical and individual in character. Definition of personality accentuation. Typology of personality accentuations, classification of personality accentuations by C. Leongard, A. E. Lychko. Tactics of the doctor's behavior with patients who have accentuated personality traits. Features of the psychology of sick children and older people. The internal picture of the disease - subjective perception of the disease by the patient. The main areas of the internal picture of the disease: sensory, emotional, volitional, rational - informative. The role of features of clinical manifestations of the disease, the severity of the current, and genesis. Circumstances of the patient's life, in which the disease occurs. Premorbid personality traits (age, temperament, character accentuation, degree of sensitivity to stress). Types of patients. Classification of the basic types of attitude to the disease (harmonious, anosogenous)

#### **Topic 6. Topic 6. Psychology of medical workers.**

pr.tr.6 "Topic 6. Psychology of medical workers." (full-time course)

The main motives for choosing a profession of a medical worker. The main requirements for the personality of medical workers. The importance of professional orientation in the choice of profession of a physician. Important professional qualities of the doctor. Defining the concepts of "medical duty" and "medical confidentiality. Medical errors: causes and types. Psychological types of doctors. General practitioner's profession (knowledge and skills, professional practical skills) and personality requirements. The concept of professional deformation Features of professions that develop professional deformation. Signs of professional deformation, "emotional burnout syndrome", ways to prevent it. Creation of conditions for self-actualization of the personality. Basics of communication with colleagues, conditions to create a healthy psychological climate in the medical environment. Compliance with the rules of deontology and subordination. Observance of moral and ethical requirements. Ability to empathize and communication style. Emotional satisfaction from contacts between team members. Types of communication in the medical environment: interpersonal, individual-group, collective-individual, group. Features of communication between doctors and nurses.

### **Topic 7. Topic 7. Psychology of therapeutic and diagnostic process.**

pr.tr.7 "Topic 7. Psychology of therapeutic and diagnostic process." (full-time course)

Psychological basics of communication in the treatment process. Communicative competence, its role in effective and conflict-free interaction. Functions of communication: informative-communicative, communicative, affective-communicative. The role of psychological features of the doctor and nurse, "ideal doctor" and "ideal nurse". Psychological features of the stages of the diagnostic process. Medical deontology. Informed consent of the patient. Informing the patient of the diagnosis. Interaction and communication of the doctor with patients and their relatives. Paternalism, its role in the diagnostic process. The importance of the patient's psychological attitude. Conflicts in medical environments, their varieties. Scheme of conflict development. Conflicts in doctor's activity. Peculiarities of conflicts between persons acting in the therapeutic and diagnostic process. Methods of conflict resolution and prevention.

### **Topic 8. Topic 8. The reaction of the individual to the disease. Nosogeny.**

pr.tr.8 "Topic 8. The reaction of the individual to the disease. Nosogeny." (full-time course)

The impact of the disease on the emotional state. Nosogeny. The principles of psychotherapeutic correction attitude to the disease, the doctor's tactics to patients with pathological types of response to the disease.

### **Topic 9. Topic 9. Mental stress.**

pr.tr.9 "Topic 9. Mental stress." (full-time course)

Emotional stress as a factor of etiopathogenesis of psychosomatic disorders. Psychosomatic interconnections. The influence of psychological factors on the course of somatic disorders. Violation adaptation, distress.

### **Topic 10. Topic 10. Psychosomatic disorders.**

pr.tr.10 "Topic 10. Psychosomatic disorders." (full-time course)

Psychosomatic approach in medical psychology and medicine. Psychosomatic approach as a principle of therapeutic activity. Biopsychosocial concept of disease. Theories of psychosomatic relationships: psychoanalytic, neurohumoral, physiological, cortico-visceral. Mechanisms of psychological protection of the personality. The concept of adaptation and maladaptation. Classification of psychosomatic disorders. Non-pathological psychosomatic reactions: motor, visceral, sensory, etc. "Large" psychosomatic diseases. Principles of prevention of psychosomatic disorders.

**Topic 11. Topic 11. Masked depressions.**

pr.tr.11 "Topic 11. Masked depressions." (full-time course)

Definition, prevalence, gender characteristics, clinic and diagnostics, clinical options. Principles of care for patients with masked depression.

**Topic 12. Topic 12. Psychological features of patients with somatic diseases.**

pr.tr.12 "Topic 12. Psychological features of patients with somatic diseases." (full-time course)

Psychological changes in cardiovascular system diseases, bronchi and lungs, digestive tract, kidneys, infectious diseases, tuberculosis, AIDS, endocrine, mental and nervous diseases. Psychological changes in sick women in the gynecological hospital. Psychological features of women during pregnancy and childbirth. Psychological features of patients in a surgical hospital in the pre- and postoperative period. Psychological features of patients in dentistry, ophthalmology, otolaryngology, orthopedics, and traumatology, oncology. Influence on the human psyche of congenital and acquired physical defects.

**Topic 13. Topic 13. Psychological aspects of deviant behavior.**

pr.tr.13 "Topic 13. Psychological aspects of deviant behavior." (full-time course)

Psychological aspects of addiction to psychoactive substances, valuable hobbies (gambling, Internet - addiction), the addition of eating disorder. Psychological features of the addicted person in the therapeutic process. Family and social relations of the addicted person, co-dependence.

**Topic 14. Topic 14. Psychological aspects of suicidal behavior, dying patient and euthanasia.**

pr.tr.14 "Topic 14. Psychological aspects of suicidal behavior, dying patient and euthanasia." (full-time course)

Suicidal behavior, prevention, and early recognition of suicidal tendencies. Suicide, reason and purpose. There are different types of behavior: "protest", "avoidance", "call", "self-punishment", "rejection". Timely detection of suicidal thoughts and intentions. Role of social works, crisis center. Features of suicidal behavior in patients with oncology, on AIDS, with congenital and acquired physical defects. Psychological features of suicide behavior in dependencies. Psychological aspects of dying and death. Euthanasia: pros and cons. Auxiliary to the dying sickness, as an alternative to euthanasia.

**Topic 15. Topic 15. Fundamentals of psychohygiene. Fundamentals of psychoprophylaxis.**

pr.tr.15 "Topic 15. Fundamentals of psychohygiene. Fundamentals of psychoprophylaxis." (full-time course)

Definition of "psychohygiene", "psychoprophylaxis", primary and secondary psychoprophylaxis. The main sections of psychohygiene: age psychohygiene, psychohygiene of work and life, family and sex life. Ways to preserve and strengthen mental health. Principles of psychoprophylaxis of work, life, family, and sexual relations. The role of the general practitioner in the prevention of nosopsychological manifestations.

**Topic 16. Topic 16. Psychological consultation. Rehabilitation. Basics of psychotherapy.**

pr.tr.16 "Topic 16. Psychological consultation. Rehabilitation. Basics of psychotherapy." (full-time course)

Psychological counseling, its principles. Psychocorrection. Psychological assistance in times of crisis and psychological features of emergency medical care situations. Rehabilitation is social and professional, its main sections. Psychological and social rehabilitation of persons who became disabled during military service, and other persons affected in the military service performance (official duties) in Ukraine. Adaptation and compensation. Psychotherapy as a branch of medical psychology and medicine. The main modern methods of psychotherapy. Principles of psychotherapy. Indirect psychotherapy, placebo. Methods and techniques of rational persuasion, suggestion in a state of infusion (suggestion), self-relaxation. Indications and contraindications for hypnosuggestion, individual and group rational psychotherapy, methods of psychoanalytic and psychodynamic psychotherapy, autopsychotherapy (auto-training and meditative techniques), gestalt therapy, neuro-linguistic programming, art therapy. Psychotherapy in the work of the general practitioner. Psychotherapeutic correction of the attitude to the disease. Features of psychotherapy and socio-psychological rehabilitation of patients with various pathologies.

**Topic 17. Topic 17. Post-traumatic stress disorder (PTSD) as a delayed response to stress.**

pr.tr.17 "Topic 17. Post-traumatic stress disorder (PTSD) as a delayed response to stress." (full-time course)

Stress, traumatic stress and post-traumatic stress disorder. Nosological units MKH-10 associated with traumatic stress. Epidemiology of PTSD and its diagnostic criteria (avoidance symptoms, flashbacks), clinic, basics of treatment. Theoretical models of PTSD. Features of post-traumatic stress in children. Features of mental processes and states in PTSD. Individual features of PTSD experience. PTSD and internal conflicts. Work of mechanisms of psychological protection (dissociation). Technologies of psychological assistance in the situation of PTSD.

**Topic 18. Differentiated exam.**

pr.tr.18 "Differentiated exam." (full-time course)

Final written module control.

## 7.2 Learning activities

LA1	Preparation of multimedia presentations
LA2	Writing an abstract
LA3	Completion of mandatory homework in the workbook

LA4	E-learning in systems (the list is specified by the teacher, for example, Google Classroom, Zoom and in the format of the YouTube channel)
LA5	Abstracting
LA6	Performing practical tasks
LA7	Performing situational exercises (clinical cases)
LA8	Preparation for practice-oriented control
LA9	Watching movies
LA10	Conducting experimental psychological research of man

## 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).
TM5	Think-pair-share
TM6	Brain storm
TM7	Educational discussion / debate

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 activities and are aimed at training practice-oriented professionals.

In accordance with the requirements of the OP discipline provides a communication strategy in professional activities; ability to abstract thinking, analysis, synthesis; ability to make informed decisions, skills in the use of 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
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FA2	Protection of presentations and abstracts
FA3	Independent performance of situational exercises by students in practical classes and their discussion
FA4	Testing
FA5	Examination and evaluation of written assignments
FA6	Checking the results of experimental psychological research
FA7	Peer assessment
FA8	Defense of an individual research project (presentation at a conference, competition of scientific works)

### 9.3 Summative assessment

SA1	Overall score for current performance (oral examination, solving clinical cases, current testing, evaluation of written work, verification of the results of experimental psychological research).
SA2	Summary (preparation, presentation, defense)
SA3	Testing
SA4	Compilation of practice-oriented differentiated module
SA5	Defense of an individual research project (incentive activities, additional points)

Form of assessment:

<b>5 semester</b>	<b>200 scores</b>
SA1. Overall score for current performance (oral examination, solving clinical cases, current testing, evaluation of written work, verification of the results of experimental psychological research).	<b>100</b>
	100
SA2. Summary (preparation, presentation, defense)	<b>10</b>
	10
SA3. Testing	<b>10</b>
	10
SA4. Compilation of practice-oriented differentiated module	<b>80</b>
	80

Form of assessment (special cases):

<b>5 semester</b>	<b>200 scores</b>
SA1. Overall score for current performance (oral examination, solving clinical cases, current testing, evaluation of written work, verification of the results of experimental psychological research).	<b>100</b>

	In the case of quarantine restrictions, the evaluation of written works, surveys, clinical case resolution are conducted remotely using the platform Mix.sumdu.edu.ua, Zoom, Google meet.	100
SA2. Summary (preparation, presentation, defense)		<b>10</b>
	In case of quarantine restrictions, the protection of presentations and abstracts is carried out remotely using the platform Mix.sumdu.edu.ua, Zoom, Google meet.	10
SA3. Testing		<b>10</b>
	In case of quarantine restrictions, testing is carried out remotely using the Mix.sumdu.edu.ua platform, Google Classrom.	10
SA4. Compilation of practice-oriented differentiated module		<b>80</b>
	У випадку карантинних обмежень складання підсумкового модульного контролю у дистанційному режимі із застосуванням Zoom, Google meet.	80

When mastering the materials of the student's module, a maximum of 5 points is assigned for each practical lesson (the grade is set in the traditional 4-point grading system). At the end of the academic year, the arithmetic mean of student performance is calculated. The maximum number of points that a student can get in practical classes during the academic year - 110. The number of student points is calculated by the formula 100 multiplied by the arithmetic mean and divided by 5. Defense of the abstract or presentation: "5" - 5 points, "4" - 4 points, "3" - 3 points, "2" - 0 points. In general, for the defense of a multimedia presentation or abstract, a student can get a maximum of 10 points, the minimum required score of 6. The minimum number of points that a student must receive - 6 points. The maximum number of points for the current educational activities of the student - 120. The student is admitted to the differentiated test provided that the requirements of the curriculum and if the current educational activities he scored at least 72 points: 64 points during practical classes, 6 points for presentation defense or abstract. Practice-oriented test is conducted according to the schedule at the end of the course. The credit is credited to the student if he scored at least 48 points out of 80. Incentive points are added to the grade in the discipline for the implementation of an individual research project points). The total score in the discipline may not exceed 200 points.

## 10. Learning resources

### 10.1 Material and technical support

MTS1	Library funds, atlas for experimental psychological research of man, psychometric scales.
MTS2	Computers, computer systems and networks.
MTS3	Medical facilities / premises and equipment (KNP SOR "Sumy Regional Clinical Center for Socially Dangerous Diseases").
MTS4	Multimedia, video and audio, projection equipment (video cameras, projectors, screens, smart boards, laptops, etc.)

MTS5	Software (practical cases, demonstration of virtual patients, testing on the platform of blended learning MIX, Google classroom, conducting practical classes through electronic systems Google Meet, Zoom.
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## 10.2 Information and methodical support

<b>Essential Reading</b>	
1	Methodical instructions for practical classes and independent work on the course «Medical Psychology (in questions and answers)» / compiled by I. G. Mudrenko, O. I. Matlay. – Sumy : Sumy State University, 2021. – 70 p.
2	Medical psychology : workbook manual for individual work of students / H. Kozhyna, V. Sinayko, I. Leshchyna, K. Zelenska, V. Kochshii, L. Korovina. – Kharkiv, 2019. – 112 p.
3	"Clinical suicidology" / According to the general. ed. L. M. Yurieva, N. O. Maruta, J. B. Linsky; IG Mudrenko. Kharkiv, 2020. 302 p.
4	Timofieva MP Psychology of communication: educational and methodical manual for students of higher medical educational institutions of Ukraine / Timofieva MP, Borisyuk AS, Pavlyuk OI - Chernivtsi, 2019. - 100 p.
<b>Supplemental Reading</b>	
1	Maruta, I. Mudrenko Clinical-psychopathological mechanisms of formation of suicidal behavior in dementia. European Psychiatry. 2020. Vol.63. C. 267.
2	Mudrenko I. G. Factors suicidal behavior in patients with dementia // Medical Psychology. 2018. T. 12, № 3. S. 53–57.
3	Mudrenko IH 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.
4	Onischenko N. V. Emergency psychological assistance to victims in conditions of extreme situations: Theoretical and Applied Aspects : monograph. - 2018.–584 s.
5	Modern problems suicidology / Kozhin G. M. [and others.] Ed .: P. V. Voloshin, N. O. Maruta. Kharkiv : Stokov DV, 2018. p. 227 : fig.
<b>Web-based and electronic resources</b>	
1	<a href="http://extrpsy.nuczu.edu.ua/sites/all/books/kryzova.pdf">http://extrpsy.nuczu.edu.ua/sites/all/books/kryzova.pdf</a>
2	<a href="https://psihea.recipe.by/ru/">https://psihea.recipe.by/ru/</a>
3	<a href="https://www.cambridge.org/core/journals/european-psychiatry">https://www.cambridge.org/core/journals/european-psychiatry</a>
4	<a href="https://eumj.med.sumdu.edu.ua/index.php/journal">https://eumj.med.sumdu.edu.ua/index.php/journal</a>
5	<a href="https://uk.e-medjournal.com/index.php/psp/issue/view/19">https://uk.e-medjournal.com/index.php/psp/issue/view/19</a>
6	<a href="https://uvnnpn.com.ua">https://uvnnpn.com.ua</a>



**Alignment of learning outcomes with teaching and learning activities and assessment**

Learning outcomes	Types of training	Learning activities	Teaching methods	Material and technical support	Methods and criteria for assessment
LO1	pr.tr.1-pr.tr.18	LA1, LA2, LA3, LA4, LA5, LA6, LA7, LA8, LA9, LA10	TM1, TM2, TM3, TM4, TM5, TM6, TM7	MTS1, MTS2, MTS3, MTS4, MTS5	SA1, SA2, SA3, SA4, SA5
LO3	pr.tr.1-pr.tr.18	LA1, LA2, LA3, LA4, LA5, LA6, LA7, LA8, LA9, LA10	TM1, TM2, TM3, TM4, TM5, TM6, TM7	MTS1, MTS2, MTS3, MTS4, MTS5	SA1, SA2, SA3, SA4, SA5
LO4	pr.tr.1-pr.tr.18	LA1, LA2, LA3, LA4, LA5, LA6, LA7, LA8, LA9, LA10	TM1, TM2, TM3, TM4, TM5, TM6, TM7	MTS1, MTS2, MTS3, MTS4, MTS5	SA1, SA2, SA3, SA4, SA5
LO13	pr.tr.1-pr.tr.18	LA1, LA2, LA3, LA4, LA5, LA6, LA7, LA8, LA9, LA10	TM1, TM2, TM3, TM4, TM5, TM6, TM7	MTS1, MTS2, MTS3, MTS4, MTS5	SA1, SA2, SA3, SA4, SA5
LO17	pr.tr.1-pr.tr.18	LA1, LA2, LA3, LA4, LA5, LA6, LA7, LA8, LA9, LA10	TM1, TM2, TM3, TM4, TM5, TM6, TM7	MTS1, MTS2, MTS3, MTS4, MTS5	SA1, SA2, SA3, SA4, SA5