PJSC "Higher Education Institution "INTERREGIONAL ACADEMY OF PERSONNEL MANAGEMENT"

SYLLABUS OF THE ACADEMIC DISCIPLINE
«NEUROPSYCHOLOGY»

Specialty:	**C4 Psychology**
Educational level:	**first (bachelor's) level**
Educational program:	**Psychology**

MAUP 2025

General information about the academic discipline

Name of the academic discipline	Neuropsychology
Code and name of specialty	C4 Psychology
Level of higher education	First (bachelor's) level of higher education
Discipline status	selective
Number of credits and hours	3 credits/90 hours Lectures: 20 hours Practical classes: 14 hours Independent work: 56 hours
Term of study of the discipline	
Language of instruction	Ukrainian
Type of final control	Credit
Discipline page on the website	

General information about the teacher. Contact information

Academic degree	
Academic title	
Position	
Disciplines taught by the NPP	
Areas of scientific research	
Links to identifier registries for scientists	
Teacher contact information:	
Email:	
Contact phone number	
Teacher's portfolio on the department's website	

Course abstract. The course "Neuropsychology" is aimed at forming in higher education applicants a holistic understanding of neuropsychology as an interdisciplinary branch of psychological science that studies the relationship between brain structures and mental functions, as well as at developing theoretical and practical readiness for neuropsychological analysis of disorders of higher mental functions. Within the framework of the discipline, the scientific and methodological foundations of neuropsychology, its place in the system of psychological knowledge and its connection with general, clinical, age, medical psychology, psychophysiology are revealed. Considerable attention is paid to the study of the cerebral organization of mental activity, neuropsychological syndromes, mechanisms of disorders of cognitive, emotional-volitional and regulatory processes, methods of neuropsychological diagnostics and analysis of examination results. The course is focused on the formation of the professional thinking of a future psychologist, the ability to integrate knowledge about the functional organization of the brain with the psychological assessment of the personality and to apply a neuropsychological approach in practical, diagnostic and correctional activities taking into account scientific, ethical and humanistic principles.

Subject of study of the academic discipline:patterns of brain organization of higher mental functions; principles of system-dynamic localization of mental processes; neuropsychological mechanisms of disorders of the cognitive, emotional and regulatory spheres; methods of neuropsychological examination; specifics of neuropsychological analysis in clinical, age-related, rehabilitation and educational practice.

Course objective:consists in forming in students a system of theoretical knowledge and practical skills in neuropsychology, developing the ability to carry out neuropsychological analysis of mental functions, identify and interpret disorders of their brain organization, as well as apply

neuropsychological approaches in psychological diagnostics and correctional work in compliance with scientific and professional ethical standards.

Objectives of the academic discipline:

1. Introducing students to the theoretical and methodological foundations of neuropsychology.
2. Formation of ideas about the brain organization of higher mental functions and neuropsychological syndromes.
3. Development of skills in applying neuropsychological examination methods and analyzing their results.
4. Mastering the skills of interpreting neuropsychological data, taking into account age and clinical characteristics.
5. Fostering a professionally responsible and ethically balanced attitude towards neuropsychological practice.

Prerequisites of the academic discipline. The study of the course "Neuropsychology" is based on the knowledge acquired by students during the study of the disciplines "general psychology", "age psychology", "psychophysiology", "personality psychology", "psychodiagnostics", "fundamentals of clinical psychology", which provide an understanding of mental processes and the biological foundations of the psyche.

Postrequisites of the academic discipline. The knowledge and practical skills developed within the course are the basis for further study of clinical and medical psychology, neuropsychological diagnostics and correction, as well as for professional activity in the field of psychological counseling, psychocorrectional and rehabilitation work. The course contributes to increasing the level of professional competence of future psychologists and their readiness to work with individuals with mental disorders of various genesis.

Software competencies:

General competencies	GC1.Ability to apply knowledge in practical situations. GC2.Knowledge and understanding of the subject area and understanding of professional activity. GC4.The ability to learn and master modern knowledge. GC8.Interpersonal skills.
Special competencies	SC1. Ability to operate with the categorical and conceptual apparatus of psychology SC2. Ability to retrospectively analyze domestic and foreign experience in understanding the nature of the emergence, functioning, and development of mental phenomena. SC7. Ability to analyze and systematize the results obtained, formulate reasoned conclusions and recommendations. SC8. Ability to organize and provide psychological assistance (individual and group). SC9.Ability to carry out educational and psycho-prophylactic workactivityaccording to request. SC10.Ability to adhere to professional ethics.
Learning outcomes	PLO4 Justify one's own position, draw independent conclusions based on the results of one's own research and analysis of literary sources. PLO7 Reflect on and critically evaluate the reliability of the results of psychological research, formulate reasoned conclusions. PLO11 Develop and implement a plan for the consultative process, taking into account the specifics of the request and the individual characteristics of the client, and ensure the effectiveness of one's own actions. PLO15 Be responsible for professional self-improvement, training and self-development PLO18 Take effective measures to preserve health (one's own and those around them) and, if necessary, determine the content of a request for

	supervision. PLO20 Present and justify determinism and hypotheses regarding the emergence and development of socio-psychological phenomena.

Content of the academic discipline

No.	Topic name	Number of hours, of which:			
		Lectures	Practical classes	Independent work	Teaching methods/assessment methods
1 semester					
Content module 1. Basic principles of neuropsychology					
Topic 1	Neuropsychology as a science. The concept of the analyzer in neuropsychology. Agnosias	2	1	6	Teaching methods: lecture presentation with elements of problem-based learning, analysis of clinical cases, work with neuropsychological schemes of analyzers. Multimedia presentations, seminar classes with discussion of various forms of agnosia and their neuropsychological mechanisms. Evaluation methods:oral interview, test tasks to understand the structure of analyzers, analysis of clinical descriptions with determination of the type of agnosia and localization of the lesion.
Topic 2	Movement disorders in local brain lesions.	2	2	6	Teaching methods:explanatory-illustrative and practically oriented training using video materials, diagrams of motor areas of the cortex and analysis of cases of apraxia. Seminars during which students learn to correlate clinical symptoms with the localization of brain lesions. Evaluation methods:performing written assignments, tests, analyzing situational tasks, where it is necessary to determine the type of motor disorder and its neuropsychological basis.
Topic 3	Impairment of thinking, speech, reading and writing in local brain lesions	2	1	6	Teaching methods:integration of lectures, seminars and independent work with scientific sources. Analysis of aphasias, alexias, agraphias and thinking disorders through work with clinical examples and speech samples. Evaluation methods:tests, tests with open questions, practical tasks

					on the analysis of speech disorders and determining their brain localization.
Topic 4	Impairment of memory, attention, and emotional sphere in local brain lesions	2	2	4	Teaching methods:combining theoretical presentation with discussion of the results of experimental and clinical research. Case method, which allows for a better understanding of the mechanisms of amnesia, attention disorders and emotional regulation. Evaluation methods:tests, written analytical papers, oral interview with an emphasis on cause-and-effect relationships between brain damage and psychological manifestations.
Topic 5	Major neuropsychological syndromes	2	1	6	Teaching methods:Lectures, seminars aimed at forming a holistic understanding of the syndromic approach in neuropsychology. Analysis of complex clinical cases demonstrating a combination of symptoms. Evaluation methods:written work describing neuropsychological syndromes, testing, and completing tasks to identify the syndrome based on the description of symptoms.
Content module 2. Areas of neuropsychology					
Topic 6	Fundamentals of childhood neuropsychology	2	1	6	Teaching methods:lectures using age-based neuropsychological models, seminars, analysis of examples from the practice of child neuropsychology. Evaluation methods:tests, essays, oral answers aimed at testing understanding of the age-specific characteristics of the brain's organization of mental functions.
Topic 7	Fundamentals of gerontoneuropsychology	2	2	6	Teaching methods:Lecture presentation and discussion seminars. Comparative analysis of norm and pathology. Evaluation methods:written work, test tasks, analysis of clinical situations related to age-related cognitive impairments.
Topic 8	Fundamentals of differential neuropsychology	2	1	4	Teaching methods:combination of theoretical training with analysis of individual differences in the neuropsychological organization

					of mental functions. Seminars, independent work with scientific literature. Evaluation methods:testing, written analytical tasks, oral interview..
Topic 9	The main ways to restore higher mental functions	2	2	6	Teaching methods:Introduction to the principles of neuropsychological rehabilitation through lectures and practical classes with analysis of rehabilitation programs. Evaluation methods:preparation of written works, testing, analysis of practical cases with the development of directions for restoring functions.
Topic 10	Neuropsychology in the neurorehabilitation system	2	1	6	Teaching methods:integration of theoretical knowledge and practical examples of the application of neuropsychology in rehabilitation practice. Lectures, seminars, discussion of clinical cases. Evaluation methods:oral interview, written assignments, final examination.
Modular test					
Total:		**20**	**14**	**56**	
Form of control: credit					

Technical equipment and/or software

The educational process uses classrooms, a library, a multimedia projector and a computer for conducting lectures and seminars with presentation elements. Studying individual topics and completing practical tasks requires access to information from the World Wide Web, which is provided by a free Wi-Fi network.4.

Forms and methods of control

Monitoring the progress of students is divided into current and final (semester).

Current control is carried out during practical, laboratory and seminar classes, the purpose of which is to systematically check the understanding and assimilation of theoretical educational material, the ability to use theoretical knowledge when performing practical tasks, etc. The possibilities of current control are extremely wide: motivation for learning, stimulation of educational and cognitive activity, differentiated approach to learning, individualization of learning, etc.

Forms of student participation in the educational process that are subject to ongoing control:

- speech on the main issue;
- oral report;
- addition, question to the person answering;
- systematic work in seminar classes, activity during discussion of issues;
- participation in discussions, interactive forms of organizing classes;
- analysis of legislation and monographic literature;
- written assignments (tests, quizzes, creative works, essays, etc.);
- preparation of theses, abstracts of educational or scientific texts;
- independent study of topics.

Monitoring the progress of students is divided into current and final.

Methods of current control: oral control (survey, conversation, report, message, etc.); written control (test work, essay, presentation of material on a given topic in writing, etc.); combined control; presentation of independent work; observation as a control method; test control; problem situations.

Evaluation system and requirements

Table of distribution of points received by higher education applicants*

	Current knowledge control										**Modular test work**	**Credit**	**Total points**
Topics	Topic 1	Topic 2	Topic 3	Topic 4	Topic 5	Topic 6	Topic 7	Topic 8	Topic 9	Topic 10	20	20	100
Work in a seminar class	3	3	3	3	3	3	3	3	3	3			
Independent work	3	3	3	3	3	3	3	3	3	3			

*****The table contains information about the maximum points for each type of academic work of a higher education applicant.

When assessing the mastery of each topic for current educational activities, the student is given grades taking into account the approved assessment criteria for the relevant discipline.

The criteria for assessing the learning outcomes of students and the distribution of points they receive are regulated by the Regulations on the Assessment of Academic Achievements of Students of Higher Education at PJSC "Higher Education Institution "MAUP".

Module control is carried out in the last lesson of the module in written form, in the form of testing.

Evaluation criteria for the modular test in the academic discipline "Neuropsychology":

When evaluating a module test, the volume and correctness of the tasks are taken into account:

– The grade "excellent" (A) is given for the correct completion of all tasks (or more than 90% of all tasks);

– A “good” (B) grade is given for completing 80% of all tasks;

– A grade of “good” (C) is given for completing 70% of all tasks;

– a grade of “satisfactory” (D) is given for the correct completion of 60% of the proposed tasks;

– The grade “satisfactory” (E) is given if more than 50% of the proposed tasks are completed correctly;

– An "unsatisfactory" (FX) grade is given if less than 50% of the tasks are completed.

Failure to appear for a module test - 0 points.

The above scores are converted into rating points as follows:

“A” – 18–20 points;

"B" – 16–17 points;

“C” – 14–15 points;

"D" – 12–13 points.

"E" – 10–11 points;

"FX" - less than 10 points.

The final semester assessment in the discipline "Neuropsychology" is a mandatory form of assessing students' learning outcomes. It is conducted within the time frame specified in the curriculum and covers the scope of material specified in the course program.

The final assessment is carried out in the form of a test. A student who has completed all the required work is allowed to take the semester assessment.

The final grade is based on the student's performance during the semester. The student's grade consists of points accumulated from the results of the current assessment and incentive points.

Students who have completed all required assignments and received a score of 60 points or higher receive a grade corresponding to the grade received without additional testing.

For students who have completed all the required tasks but received a score below 60 points, as well as for those who wish to improve their score (result), the teacher conducts a final work in the form of a test during the last scheduled lesson in the discipline in the academic semester.

Evaluation of additional (individual) types of educational activities.Evaluation of additional (individual) types of educational activities. Additional (individual) types of educational activities include the participation of applicants in scientific conferences, scientific circles of applicants and problem groups, preparation of publications, participation in All-Ukrainian Olympiads and competitions and International competitions, etc. in excess of the tasks established by the relevant work program of the academic discipline.

By decision of the department, students who participated in research work and performed certain types of additional (individual) educational activities may be awarded incentive (bonus) points for a specific educational component.

Assessment of independent work

The total number of points received by a student for completing independent work is one of the components of academic success in the discipline. Independent work on each topic, in accordance with the course program, is evaluated in the range from 0 to 3 points using standardized and generalized knowledge assessment criteria.

Scale for evaluating the performance of independent work (individual tasks) evaluation criteria.

Maximum possible assessment of independent work (individual tasks)	Execution level			
	Perfectly	Good	Satisfactorily	Unsatisfactorily
3	3	2	1	0

Forms of assessment include: ongoing assessment of practical work; ongoing assessment of knowledge acquisition based on oral responses, reports, presentations and other forms of participation during practical (seminar) classes; individual or group projects requiring the development of practical skills and competencies (optional format); solving situational tasks; preparing summaries of independently studied topics; testing or written exams; preparing draft articles, conference abstracts and other publications; other forms that ensure comprehensive mastery of the curriculum and contribute to the gradual development of skills for effective independent professional (practical, scientific and theoretical) activity at a high level.

To assess the learning outcomes of a higher education applicant during the semester, a 100-point, national and ECTS assessment scale is used.

Final assessment scale: national and ECTS

Total points for all types of learning activities	**ECT8 assessment**	**National scale assessment**	
		for exam, course project (work), practice	**for credit**
90 – 100	AND	perfectly	Enrolled
82-89	IN	good	
75-81	WITH		
68-74	D	satisfactorily	
60-67	THERE		
35-59	FX	unsatisfactory with the possibility of reassembly	not passed with the possibility of retaking

0-34	F	unsatisfactory with mandatory re-study of the discipline	not passed with mandatory re-study of the discipline

Course policy

To successfully complete the Neuropsychology course, the student must:

– regularly attend lectures and practical classes;

– to work systematically, systematically and actively in lectures and practical classes;

– to make up for missed classes or unsatisfactory grades received in classes;

– to fully perform the tasks that the teacher requires to prepare, their quality is appropriate;

– perform control and other independent work;

– adhere to the norms of academic conduct and ethics.

The course "Neuropsychology" involves the assimilation and observance of the principles of ethics and academic integrity, in particular, an orientation towards preventing plagiarism in any of its manifestations: all works, reports, essays, abstracts and presentations must be original and authorial, not overloaded with quotations, and must be accompanied by references to primary sources. Violations of academic integrity are considered to be: academic plagiarism, self-plagiarism, fabrication, falsification, copying, deception, bribery, and biased evaluation.

The assessment of the student is focused on receiving points for activity in seminar classes, completing tasks for independent work, as well as completing tasks that are capable of developing practical skills and abilities for which, at the teacher's decision, additional (bonus) points may be awarded (participation in round tables, scientific conferences, olympiads and scientific competitions among students).

Recommended sources of information:

Main sources:

1. Gerasimenko L.O., Skrypnikov A.M., Isakov R.I. Psychogenic mental disorders: a teaching and methodological manual. Kyiv: Medicine, 2021. 364 p.

2. Medical Psychology (Volume 1)/ G.Ya. Pylyagina, O.O. Khaustova, O.S. Chaban and others. Vinnytsia: Nova kniga, 2020. 358 p.

3. Pathopsychology (with neuropsychology) [Electronic resource]: electronic methodical recommendations for seminar classes and independent work on the course for students of the first (bachelor's) level of higher education, speciality 053 Psychology / compiled by Rodina N.V., Koval G.Sh., Odessa: Odessa National University named after I. I. Mechnikov, 2024.

4. Savenkova I.I. Neuropsychology: a teaching and methodological manual. Mykolaiv: MNU, 2021. 220 p.

5. Chaban O.S., Gumenyuk M.M., Verbenko V.A. Neuropsychology.Ternopil: Ukrmedknyga, Ternopil State Medical University, 2008. 92 p.

Additional:

6. Anatomy, physiology, evolution of the nervous system. I. Marunenko, E. Nevedomska, G. Volkovska. Center for Educational Literature, 2021. 184 p.

7. Bakaev S.D. Clinical neuropsychology: a textbook. Kyiv: Higher School, 2022. 220 p.

8. Zabolotna A.V. Neuropsychology: textbook. Kyiv: Higher School, 2022. 398 p.

9. Mikadze Y. Childhood Neuropsychology: Textbook 2022. ISBN. 978-5-4461-1471-9.

10. Filimonov V.I., Marakushin D.I. Clinical Physiology. Kyiv: Medicine, 2022.

11. Bush SS, Yochim BP A Handbook of Geriatric Neuropsychology: Practice Essentials (Studies on Neuropsychology, Neurology and Cognition). London: Routledge, 2022.

12. Kolb B. Fundamentals of Human Neuropsychology. New York: Worth Publishers, 2021.

Internet information resources

13. www.nbuv.gov.ua– Vernadsky National Library of Ukraine.

14. http://upsihologa.com.ua/ – portal of professional psychologists of Ukraine “At the psychologist”

15. Library of psychological literature:http://psylib.kiev.ua

16. Ukrainian electronic library of textbooks. URL:http://pidruchniki.com.ua/

17. Psychological tests. URL://https://www.healthyplace.com/psychological-tests
18. http://www.nbuv.gov.ua/portal - Scientific periodicals of Ukraine
19. http://neirocentr.com.ua - Center for Child and Adolescent Neuropsychology
20. http://ipz.org.ua/index.php/vydavnytstvo/94-knyhy-3/190-protokoly-zdiahnostyky-ta-terapii-ptsr-ni Protocol for the diagnosis and treatment of PTSD NICE
21. http://ipz.org.ua/index.php/vydavnytstvo/94-knyhy-3/190-protokoly-zdiahnostyky-ta-terapii-ptsr-nice Synopsis of DSM-V diagnostic criteria and NICE protocols for the diagnosis and treatment of major mental disorders in children and adolescents.