



Course syllabus

Methodology of scientific and psychological research

Level of higher education – the third level (Doctor of Philosophy)

Educational and scientific program of the specialty 053 “Psychology”

Class days: Tue. 12.45 – 14.05

Consultations: Thu. 14.20 – 15.40

Year of study: I, **Semester:** II

Number of credits: 3 **Language of instruction:** Ukrainian

Course leader

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Description of the discipline

The course is aimed at providing third-level higher education students with the necessary amount of knowledge in the field of research methodology, prepares them for independent scientific and psychological research and writing a dissertation as a qualifying scientific work. The objectives of the course are to form a holistic system of knowledge about the methodology, methods and techniques of scientific and psychological research, types of scientific and psychological research (theoretical, empirical, applied), methodological principles and stages of its implementation. Applicants acquire knowledge and skills to develop the conceptual and categorical apparatus of scientific and psychological research, summarize and explain scientific facts, build a conceptual model of scientific and psychological research, master the methods of preparing scientific reports, articles, abstracts. The course promotes the formation of students' ability to carry out research activities, develops research skills, scientific worldview, critical thinking, creativity.

Course structure

Hours (LEC/ SEM)	Topic	Learning outcomes	Task
2/2	1. Історія становлення та розвитку науково-психологічних досліджень	To know the prerequisites and stages of development of science as a specific type of knowledge, special cognitive activity and social institution, the history of formation and development of scientific research in psychology. To define the goals and objectives of scientific and psychological research. To substantiate methodological principles of scientific and psychological research. To know the types of scientific and psychological research (theoretical, empirical, applied). To characterize the current state of development of psychological science in Ukraine.	Question Group discussions Presentations

2/2	2. Methodology of scientific and psychological research	To analyze the concepts of methodology, methods and techniques of scientific and psychological research. To know the levels of methodology (philosophical, general scientific, specific-scientific, methods and techniques of scientific research), the typology of scientific research methods. To describe the types of methods of scientific and psychological research, their advantages and disadvantages. To substantiate the concept of the system and its properties, the role and importance of a systems approach in scientific knowledge. To identify new paradigms of modern science. To carry out a comparative analysis of the main theoretical and methodological provisions of scientific concepts of positivism, pragmatism, phenomenology, hermeneutics.	Question Presentations Brainstorming method Tests
2/2	3. Conceptual and categorical apparatus of scientific and psychological research	To justify the direction and topic of research. To define the purpose, objectives, subject and object of research. To characterize the order of scientific research, the sequence of its implementation. To analyze the functions and structure of the research program.	Question Cases Task
2/2	4. The process, stages and strategies of scientific and psychological research	To describe the principles and stages of scientific and psychological research. To define the general scheme of scientific research. To develop a conceptual model of scientific and psychological research. To analyze the features of empirical research in psychology, the concept of psychological experiment and strategies of experimental research. To know the requirements for the experimenter and psychodiagnostic research methods. To determine the effectiveness of research.	Question Tests Business games Cases
2/-	5. Ethics of scientific and psychological research	To know the professional ethos of a scientist in modern Ukraine, moral imperatives and ethical norms of a scientist. To analyze the problems of ethical and legal regulation of research activities in psychology. To know the code of ethics of a psychologist. To describe the problems of freedom and responsibility of the research psychologist. To distinguish between scientific fraud and plagiarism. To know the Declaration of Academic Integrity of Researchers. To determine the right of intellectual property and features of its protection.	Question Group discussions Cases Microphone method

2/2	6. Dissertation: stages of execution, design and defense.	To know the technology of preparation and writing a dissertation as a qualifying research paper. To analyze the features of preparation for the preliminary defense and the procedure of defense of the dissertation. To know the requirements for the design of dissertations and writing scientific publications. To be able to prepare a scientific report and write a thesis, an article on the research problem. To characterize the obtained results of scientific and psychological research and features of their implementation.	Question Tests Essay Scientific project
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Literary sources

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2. Алексієвець М. М., Алексієвець Л. М., Терещук Г. В. Науково-дослідницька діяльність студентів : актуальність та організація. Тернопіль : Вектор, 2012. 362 с.
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9. Основи науково-психологічних досліджень : навч.-метод. посіб. / Автори : З. М. Адамська, І. П. Андрійчук, О. М. Воронкевич, Г. К. Радчук, С. В. Чопик, М. М. Шпак / ред. Г. К. Радчук. Тернопіль : ТНПУ ім. В. Гнатюка, 2020. 214 с.
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Evaluation policy

- **Deadline and rescheduling policy:** papers that fail to meet deadlines without good reason are rated lower. Re-assembly of modules takes place with the permission of the dean's office if there are good reasons (for example, sick leave).

- **Academic Integrity Policy:** all written works are checked for plagiarism and are allowed to be defended with correct textual borrowings of no more than 20%. Cheating at the time control works and exams are forbidden (including with the use of mobile devices). Mobile devices may only be used during online testing.

- **Attendance Policy:** attendance is a mandatory component of the assessment for which points are awarded. For objective reasons (for example, illness, international internship) class can take place in an online form for the approval of the head of the course.

Evaluation

The final grade for the course is calculated as follows:

Types of evaluation	% of the final assessment
Module 1 (topics 1-3) - oral examinations, testing, writing essays, discussion of cases.	27
Module 2 (topics 4-6) - oral examinations, testing, group discussions, practical tasks.	33
INDZ, (essay)	20
Final control (topics 1-10) - test	20

Student assessment scale:

ECTS	Rating in scores	Explanation
A	90 – 100	perfectly
B	85-89	very good
C	75-84	good
D	65-74	satisfactorily
E	60-64	enough
FX	35-59	unsatisfactorily (with the possibility of re-assembly)
F	1-34	unsatisfactorily (with the obligatory repeated course)