



Syllabus Course Program



Psychology of safety of human activity

Specialty

053 Psychology

Educational program

Psychology

Level of education

Bachelor's level

Semester

5

Institute

Social and Humanitarian Technologies

Department

of Pedagogy and Psychology of Social System Management named after Academician I.A. Zyaziun (301)

Course type

Special (professional), Mandatory

Language of instruction

English

Lecturers and course developers

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PhD in Public Administration

Associated Professor of Department of Pedagogy and Psychology of Social System Management named after Academician I.A. Zyaziun NTU «KhPI». Scientific work experience – 16 years. Author over 35 scientific papers. Leading lecturer in disciplines: Psychology of safety of human activity, Economic Psychology (2021-2023), Political Psychology, Conflictology, State social policy, National security, Methodology of organization of scientific researches, European studies, Technology of decision making in management.

[More about the lecturer on the department's website](#)

General information

Summary

During learning the discipline the student is able to analyze socio-psychological phenomena, theories and practices of psychological security of social systems of different levels, determines their impact on psychological security; able to formulate their own views on the psychological aspects of personal security.

Course objectives and goals

The purpose of studying the discipline is to provide students with knowledge about the potential of the human psyche in the process of activity and in dangerous situations, as well as the formation of necessary skills and abilities to ensure psychologically safe behavior.

Format of classes

Lectures, practices, consultations, self-study. Final control in the form of a test.

Competencies

General competencies:

GC1. Ability to apply knowledge in practical situations.

Special Competencies:

SC3. Ability to understand the nature of behavior, activities and deeds.

SC8. Ability to organize and provide psychological assistance (individual and group).

Learning outcomes

PR9. To offer own ways of the decision of psychological problems and problems in the course of professional activity, to accept and argue own decisions concerning their decision n

PR11. Draw up and implement a plan of the consultation process taking into account the specifics of the request and individual characteristics of the client, to ensure the effectiveness of their own actions

PR18. Take effective measures to preserve the health (own and the environment) and, if necessary, determine the content of the request for supervision

Student workload

The total volume of the course is 90 hours (3 ECTS credits): lectures - 16 hours, practices - 16 hours, self-study - 58 hours.

Course prerequisites

Previous disciplines: General Psychology, Basics of psychological care. Necessary knowledges are understanding of general psychological laws, approaches to psychological care.

Features of the course, teaching and learning methods, and technologies

Methods of teaching in the discipline "Economic psychology" are:

- verbal (conversation, discussion, lecture, work with a book);
- visual (illustration with practical examples);
- practical (practical exercises).

Active teaching methods used: discussion, brainstorming, problem-based methods, method of specific practical pedagogical situations, educational, business and role-playing games.

Program of the course

Topics of the lectures

Topic 1. Approaches to the study of psychological safety: the human factor

1. The category of "psychological safety" 2. The structure of psychological safety 3. The practical tasks of psychological safety 4. The structure of personal safety 5. Factors forming attitudes towards a dangerous situation 6. Stress in dangerous situation.

Topic 2. Environmental factor and psychological safety

1. Macrosocial environment factors 2. Mass psychological phenomena 3. Microsocial environment (family reference group real formal group and their influence on person's psychological safety forming).

Topic 3. Psychological protection

1. Social-group and individual-personal protection 2. Forms of manifestation of interpersonal protection 3. Psychological stability.

Topic 4. Methods of mental self-regulation

1. E. Jacobson's theory 2. Attention management 3. Creation of sensual images 4. Verbal formulas of suggestion 5. Regulation of muscle stereotype 6. Methods for regulating negative states.

Topic 5. Hazards and risks in human activities

1. Hazard classifications 2. Axiom about the potential danger of activity 3. Categories of severity of dangers 4. Individual and social (group) risk 5. Environmental risk 6. Techogenic (man-made) risk 7. Social risk.

Topic 6. Human activity as a potential danger factor. Part I

1. Person physical activity 2. Human mental activity 3. Human ability to work 4. Rational and safe modes of work 5. Rational modes of rest 6. Activity phases 7. Stress and adaptation 8. Mental processes, properties and states in context psychology of safety 9. Difference between states of fatigue and monotony.

Topic 6. Human activity as a potential danger factor. Part II

1. Measures to maintain optimal work performance 2. Psychological causes of dangerous situations and industrial injuries 3. Stimulating the safety of activities 4. Human behavior in emergency situations 5. Safety accountability 6. Safety Training Program 7. Conditions of psychological safety by UN.

Topic 7. Socio-political dangers, their types and features Part I

1. Social dangers and their classification 2. Causes of social dangers 3. Physiological factors and levers of human safety 4. Psychological principles of professional selection 5. Dangers of general informatization of society 6. Danger of mass media.

Topic 7. Socio-political dangers, their types and features Part II

1. Advertising and its manipulative capabilities 2. Dangers in modern urban society and counteraction to them (Terrorism: social, Technological, Environmental, Cyberterrorism) 3. Risk groups to be involved to terrorist organizations 4. Security management at the enterprise (psychological aspect).

Topics of the workshops

Topic 1. Approaches to the study of psychological safety: the human factor

Discussion of lecture's material. Making a Dangerous situation scheme.

Topic 2. Environmental factor and psychological safety

Discussion of lecture's material. Examination what environment factors brings psychological safety/unsafety to the person. Making table of environmental influences.

Topic 3. Psychological protection

Discussion of lecture's material. Essay up to one page about psychological protection mechanism of certain character.

Topic 4. Methods of mental self-regulation

Discussion of lecture's material. Muscle relaxation techniques training. Describing what an effect muscle relaxation techniques gave to student.

Topic 5. Hazards and risks in human activities

Round table discussion about variety of risks in human activities. Making hazard classification box, suggesting psychological help to victims.

Topic 6. Human activity as a potential danger factor. Part I

Discussion of lecture's material. Building Rational and Safe modes of work and rest.

Topic 6. Human activity as a potential danger factor. Part II

Discussion of lecture's material. Presentation of Individual Task.

Topic 7. Socio-political dangers, their types and features Part I

Discussion of lecture's material. Presentation of Individual Task.

Topic 7. Socio-political dangers, their types and features Part II

Discussion of lecture's material. Presentation of Individual Task.

Topics of the laboratory classes

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Self-study

Studying of lecture material, Preparation for practical studies, Preparing Individual Task (topic is chosen from the list). Control is provided on workshops.

Course materials and recommended reading

BASIC LITERATURE

1. Safety & Security Handbook by Robert Macpherson. 2004 Cooperative for Assistance and Relief Everywhere, Inc. 166 p.
2. Van Zomeren M., Postmes T., Spears R. Toward an integrative social identity model of collective action: A quantitative research synthesis of three socio-psychological perspectives // Psychological Bulletin. 2008. Vol. 134. P. 504–535.
3. Enhancing urban safety and security. United Nations Human Settlements Programme (UN-Habitat), 2007. 482 p.
4. The Psychology of Safety Handbook. 2nd Edition. By E. Scott Geller, 2001. CRC Press. 560 p.

ADDITIONAL LITERATURE

1. Erikson E. Childhood and Society. W.W. Norton & Company, 1993. 445 p.
2. Jacobson, E. (1938). Progressive relaxation (2nd ed.). Univ. Chicago Press
3. Eder, A. (1990). Risk Factor Loneliness. On the Interrelations between Social Integration, Happiness, and Health in 9 European Countries, Health Promotion International, 5: 19-33.
4. Kakkar, H., & Tangirala, S. If Your Employees Aren't Speaking Up, Blame Company Culture. Harvard Business Review, 2018.
5. Borum R. Radicalization into Violent Extremism: A Review of Social Science Theories. Journal of Strategic Security. 2011. 4 (4). P. 7-35.

INFORMATION RESOURCES ON THE INTERNET

1. NTU "KhPI" repository.
2. 10 Defense Mechanisms: What Are They and How They Help Us Cope By Dr. Saul McLeod, 2020. URL: <https://www.simplypsychology.org/defense-mechanisms.html>
3. Edmondson A. Psychological safety and learning behaviour in work teams. Adm Sci Q. 1999; 44(2): p.350-383. <https://doi.org/10.2307/2666999>
4. IATA. Annex.19: I-ASC Whitepaper 2019. Creating a positive safety culture, 2019. URL: <https://go.updates.iata.org/safety-culture>

Assessment and grading

Criteria for assessment of student performance, and the final score structure

Control of the systematic implementation of independent work and activity in practical classes
The assessment is carried out on a 5-point scale according to the following criteria:

- 1) understanding, the degree of assimilation of the theory and methodology of the problems being considered;
- 2) the degree of mastering the material of the discipline;
- 3) familiarization with the recommended literature, as well as with modern literature on the issues that are being considered;
- 4) the ability to combine theory with practice when considering production situations, solving problems, performing calculations when performing tasks submitted for independent work, and tasks submitted for consideration in the classroom;
- 5) logic, structure, style of presentation of material in written works and when speaking in an audience, the ability to substantiate one's position, generalize information and draw conclusions.

The mark "excellent" is given if the student's completed assignment or his oral answer meets all five specified criteria.

The absence of one or another component lowers the mark by the corresponding number of points.

When evaluating practical tasks, attention is also paid to their quality and independence, the timeliness of the delivery of completed tasks to the teacher (according to the schedule of the educational process). If any of the requirements are not met, the score will be lowered.

Intermediate control

Intermediate control of the level of knowledge involves the identification of the student's mastering of the material of the lecture material and the ability to apply it to solve a practical situation and is carried out in the form of control work.

Final control

The final grade for the discipline is calculated as the average of several components, taking into account the assessments of each type of control (two assessments based on the results of the current modular control, an assessment for the course project and the final test).

Grading scale

Total points	National	ECTS
90-100	Excellent	A
82-89	Good	B
75-81	Good	C
64-74	Satisfactory	D
60-63	Satisfactory	E
35-59	Unsatisfactory (requires additional learning)	FX
1-34	Unsatisfactory (requires repetition of the course)	F

Norms of academic integrity and course policy

The student must adhere to the Code of Ethics of Academic Relations and Integrity of NTU "KhPI": to demonstrate discipline, good manners, kindness, honesty, and responsibility. Conflict situations should be openly discussed in academic groups with a lecturer, and if it is impossible to resolve the conflict, they should be brought to the attention of the Institute's management.

Regulatory and legal documents related to the implementation of the principles of academic integrity at NTU "KhPI" are available on the website: <http://blogs.kpi.kharkov.ua/v2/nv/akademichna-dobrochesnist/>

Approval

Approved by



15.06.23

Head of the department
Oleksandr ROMANOVSKIY

Guarantor of the educational
program
Zhanna BOHDAN

14.06.23