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Національний технічний університет України
«КИЇВСЬКИЙ ПОЛІТЕХНІЧНИЙ ІНСТИТУТ
імені ІГОРЯ СІКОРСЬКОГО»

Chair
Aircraft control systems

Psychology

Working program of the academic discipline (Syllabus)

Details of the academic discipline	
Level of higher education	***First (undergraduate)***
Branch of knowledge	*17 Electronics and telecommunications*
Specialty	*173 Avionics*
Educational program	*Control systems of aircraft and complexes*
Discipline status	*Vocational*
Form of education	*Daytime*
Year of training, semester	*2nd year, autumn semester*
Scope of the discipline	*2 credits (60 hours), of which: practical classes - 36 hours. (lectures – 18 hours; practical – 18 hours); self-directed work - 24 hours*
Semester control/ control measures	*Credit (final test), modular control work, current and calendar control*
Lessons schedule	*Lectures - 2 hours per 2 weeks, practical classes - 2 hours per 2 weeks according to the schedule on the university website: rozklad.kpi.ua*
Language of teaching	*Ukrainian*
Information about head of the course / teachers	*Lecturer: Ph.D., associate professor, Olga Moskalenko*, olgets@ukr.net *Practical classes*: Kateryna Vasylschenko-Deryzhko, 11pandora93@gmail.com
Placement of the course	"Sikorsky" platform; electronic campus of the university

Program of educational discipline

1. Description of the educational discipline, its purpose, subject of study and learning outcomes

Taking into account the importance of psychological knowledge, as well as the reasons that motivate people to grow and develop, their desire to become better and improve their lives, the course "Psychology" was created. The subject of the academic discipline is the phenomenon of the mental life of a person; mechanisms of the formation and functioning of the psyche; development and formation of personality in the process of interpersonal interaction. One of the most important knowledge for a person nowadays is knowledge in the field of psychology, and one of the main skills is the ability to apply them in practice. In order to understand people, to be able to find a common language, to be able to flexibly react and adapt to any situation, to be able to counteract stress, it is necessary to understand psychology.

Increasing the effectiveness of professional training and activity in modern conditions requires a high level of psychological competence of specialists, which necessitates the study of the discipline "Psychology". The study of psychology and the application of the acquired knowledge in life will contribute to personal growth, improvement of life, establishment of constructive relationships, success in the professional sphere and other types of activities.

The educational discipline consists of lectures, which contain interesting theoretical information about human psychology, examples are given (research results, psychodiagnostic

tests, results of experiments), and a large number of practical tips are provided that students can apply in practice.

Communication with the teacher is possible and will be encouraged during training sessions, as well as within the framework of consultations with the teacher, which are held according to the schedule available on the website of the Department of Psychology and Pedagogy.

The goal of discipline is the formation of students' abilities: assess their cognitive processes, psychological states and feelings to ensure efficient and safe activities; organize their actions as part of a collective activity; carry out psychological analysis of complex situations of interaction "personality-society", "personality-social group", "personality-personality"; use knowledge, deepen it and develop critical thinking; reflect personal knowledge, namely:

-the ability to apply knowledge in practical situations (GC 1 (ЗК1))

-the ability to search, process and analyze information (GC 2 (ЗК2))

-the ability to identify, pose and solve problems (GC 3 (ЗК3))

-the ability to justify the decisions made, to work effectively autonomously and as part of the team (PC 10 (ФК 10)

The discipline provides the following program learning outcomes:

-critically comprehend the main theories, principles, methods and concepts in professional activity (LO 6 (PH 6))

2. Educational materials and resources

1.**Basic literature:**

1. Varii M Psykholohiia. Navchalnyi posibnyk. Kyiv : Tsentr navchalnoi literatury, 2019. 288 s.
2. Dutkevych T. Zahalna psykholohiia. Teoretychnyi kurs. Kyiv: Tsentr navchalnoi literatury, 2019. 388 s.
3. Kolobych O. P. Zahalna psykholohiia. Navchalno-metodychnyi posibnyk. Lviv, 2018. – 172 s.
4. Moskalets V. Zahalna psykholohiia: pidruchnyk. Kyiv: Lira-K, 2020. 564 s.

2. Supporting literature:

1. Berezovska L.I. Psykholohiia konfliktu: navchalno-metodychnyi posibnyk /L.I.Berezovska, O.S. Yurkov. – Mukachevo: MDU, 2016. - 201 s. (9 d.a)
2. Buniak N. Zahalna psykholohiia: lektsii. Ternopil: TNTU, 2017. 300 s.
3. Varii M, Ortynskyi V. Osnovy psykholohii i pedahohiky. Navchalnyi posibnyk. Kyiv : Tsentr navchalnoi literatury, 2020. 376 s.
4. Zasiekina L. V., Pastryk T. V. Osnovy psykholohii ta mizhosobove spilkuvannia: navch. posib. dlia studentiv VNZ. 2-e vyd. Kyiv: VSV «Medytsyna», 2018. 216 s.
5. Kurova A.V. Psykholohiia spilkuvannia: navchalno-metodychnyi posibnyk dlia zdobuvachiv vyshchoi osvity fakultetu psykholohii, politolohii ta sotsiolohii NU «OIuA») / A.V. Kurova – Odesa: Feniks, 2020. – 79 s.
6. Maksymenko S. D. Zahalna psykholohiia : navch. posibnyk. - Kyiv : Tsentr uchbov. lit., 2018. - 272 s.
7. Moskalets V. Psykholohiia osobystosti. Pidruchnyk. Kyiv : Lira-K, 2021. 564 s.
8. Miasoid P. Kurs zahalnoi psykholohii. Kyiv : Alerta, 2021. 496 s.
9. Psykholohiia : navchalnyi posibnyk /O. V. Vynoslavska, O. A. Breusenko-Kuznietsov, V. L. Zlyvkov [ta in.] ; za redaktsiieiu O. V. Vynoslavskoi ; NTUU «KPI». – 2-e vyd., pererobl. ta dopovn. – Kyiv : INKOS, 2009. – 390 s.
10. Psykholohiia osobystosti : Navchalnyi posibnyk dlia orhanizatsii navchalnoi roboty z kursu dlia studentiv, shcho navchaiutsia za kvalifikatsiinymy rivniamy «bakalavr»,

«spetsialist» psykholohichnykh ta nepsykholohichnykh spetsialnostei./ O. O. Chumak ; Derzh. zakl. „Luhan. nats. un-t imeni Tarasa Shevchenka”. – Starobilsk : Vyd-vo DZ „LNU imeni Tarasa Shevchenka”, 2016. – 289 s.
11. Savchyn M. Zahalna psykholohiia: pidruchnyk. Kyiv: VTs «Akademiia», 2018. 344 s

Educational content

3. Methods of mastering an educational discipline (educational component)

Lecture classes

lecture no	Name of the topic of the lecture
1	Topic 1.1 Introduction to psychology The concept of the subject, object and tasks of psychology. Main branches of psychology. Connection of psychology with other sciences. The main stages of the development of psychology. Methods of psychological research, their general characteristics.
2	Topic 1.2. Development of psyche and consciousness Mental reflection. The reflexive nature of the psyche. Historical development of the psyche (phylogeny). Stages of development of the psyche. Development of the psyche in ontogenesis. The main functions of the psyche. Consciousness. Subjective reflection of reality. Conscious mind and unconscious mind in the mental activity of a person.
3	Topic 2.1. Cognitive mental processes. Feeling. Perception. Characteristics of cognitive processes. Sensation as a primary form of reality reflection. Types of sensations. Properties of sensations. Features of sensations. Perception as a mental process. Formation of images in perception. Types of perceptions. Properties of perception.
4	Topic 2.2. Cognitive mental processes. Memory. Attention. The concept of memory. Characteristics of memory processes. Characteristics of memory types. Individual differences, mnemonic techniques. General characteristics of attention. Types of attention. Main properties of attention. Individual features of attention.
5	Topic 2.3. Cognitive mental processes. Thinking. Imagination. Thinking: operational components. Mnemonic operations. The results of the thinking process. Types of thinking. The concept of imagination. Types of imagination. The main properties, methods of creating images of imagination.
6	Topic 2.4. Emotional and volitional processes Emotions, feelings, emotional states. Expression of emotions and feelings. Types of emotions. Types of feelings. Forms of experiencing emotions and feelings. Emotional features of personality. Means of regulation of emotional states. The concept of will. Stages of volitional act. Simple and complex volitional actions. Volitional qualities of the individual. Formation of willpower. Idleness, its causes and struggle with it.
7	Topic 3.1. Structure of Personality. Personality as a subject of activity Concepts of "individual", "personality", "individuality" and the relationship

	between them. Psychological structure of personality. Temperament. Theories of temperament. Character of the individual. Abilities Ability structure. Personality as a subject of activity. The essence of the subject-activity approach.
8	Topic 4. 1. Group psychology The concept of a group. Classification of groups and their main characteristics. Levels of group development. Personality and group. Psychological features of the student group. The role, status, well-being of the student in the group. Identification processes in the student body.
9	Topic 4.2. Psychology of communication The concept of communication. Communication structure. Communication functions. Types of communication. Verbal and non-verbal means of communication. Communication barriers.

Practical classes

lesson no	The name of the practical classes
1	Introduction to psychology
2	Development of psyche and consciousness
3	Cognitive mental processes. Feeling. Perception.
4	Cognitive mental processes. Memory. Attention.
5	Cognitive mental processes. Thinking. Imagination.
6	Emotional and volitional processes
7	Structure of Personality. Personality as a subject of activity
8	Group psychology
9	Psychology of communication

4. Types of control and rating system for evaluating learning outcomes (RSO)

Rating of the student in the discipline consists of points obtained for: 9 practical classes and modular control work.

Table of control types and the maximum number of points for them.

type of control	**Number of events**	**The maximum number of points for 1**	**Maximum number of points**
Performance of work in laboratory classes	9	6	54
MKR	1	46	46
Rating assessment of the student from the educational component			100

Correspondence of rating points to grades on the university scale

Rating evaluation of the applicant	**University grading scale of the acquired competences level**
100 - 95	Excellent

94 - 85	Very good
84 - 75	Good
74 - 65	Satisfactory
64 - 60	Sufficient
below 60	Fail
The course requirements are not met	Not graded

Working program of the academic discipline (syllabus):

Designed by Irina Blohina, senior lecturer, Ph.D.

Approved by the Psychology and Pedagogic Department I. Sikorsky Kyiv Polytechnic Institute (Protocol No. 6 dated December 22, 2021)

Agreed by the Methodical Commission of the National Academy of Sciences of Ukraine (protocol No. 3 dated January 27, 2022)