



Fundamentals of a Healthy Lifestyle

Syllabus

Details of the discipline

Level of higher education	<i>First (Bachelor)</i>
Branch of knowledge	<i>12 Information Technologies</i>
Specialty	<i>121 Software Engineering</i>
Educational program	<i>Software Engineering of Multimedia and Information-Retrieval Systems</i>
Status of the educational component	<i>Normative</i>
Form of education	<i>Full-time</i>
A year of training	<i>1st year, first and second semester</i>
The scope of the educational component	<i>Lectures: 18 academic hours, practical: 54 academic hours, student's self-training: 18 academic hours.</i>
Semester control / control measures	<i>Credit, 2 modular control works, calendar control</i>
Schedule of classes	<i>According to the schedule for the autumn semester of the current academic year (rozklad.kpi.ua)</i>
Language of instructions	<i>English</i>
Information about head of the course / teachers	<i>Lectures: Computer class:</i>
Course location	<i>Google classroom. Access is given to registered students.</i>

The curriculum of the discipline

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

The main purpose of the discipline "Fundamentals of a Healthy Lifestyle" is to form students' motivation to lead a healthy lifestyle and the ability to use different types and forms of physical activity for active recreation and healthy living.

*Studying the discipline (credit module) "Fundamentals of a Healthy Lifestyle" allows students to develop the **general competencies**:*

***GC02** Ability to apply knowledge in practical situations.*

***GC06** Ability to search, process and analyze information from various sources.*

***GC12** Ability to preserve and increase moral, cultural, scientific values and society achievements based on history understanding and development patterns of the subject field, its place in the nature and society knowledge general system and in the society development, to use different physical activity types and forms for active recreation and healthy living.*

***The program results** of the discipline (credit module) "Fundamentals of a Healthy Lifestyle":*

***PLO01** To analyze, purposefully search and select the necessary information and reference resources and knowledge to solve professional problems, taking into account modern advances in science and technology.*

2. Prerequisites and post requisites of the discipline (place in the structural and logical scheme of education according to the relevant educational program)

The discipline "Fundamentals of a Healthy Lifestyle" belongs to the cycle of disciplines of general training, it is a mandatory component of the Educational Program.

3. Course content

The course material consists of two sections:

Section 1. Formation of motivation for a healthy lifestyle

Topic 1.1. General basics of health Topic 1.2. Health effects of behavior Topic 1.3. Nutrition and health
Topic 1.4. Health and age of human life

Section 2. Formation of skills and abilities of a healthy lifestyle by means and methods of motor activity

Topic 2.1. Physical activity of people of different ages, genders

Topic 2.2 Individual programs of physical activity

4. Training materials and resources

Basic training literature:

1. Physical education. Aerobics [Electronic resource]: textbook / KPI. Igor Sikorsky; structure. S. E . Tolmachova, N .V. Kuzmenko, A. Yu. Chekhovskaya, I. Yu. Zakharova. - Electronic text data (1 file: 4.04 MB). - Kyiv: KPI named after Igor Sikorsky, 2019. - 151 p. URL: <https://ela.kpi.ua/handle/123456789/32204>
2. Physical Education. Sports gymnastics: Technique of performing physical exercises on gymnastic shells [Electronic resource]: a textbook for bachelor's degree students / KPI. Igor Sikorsky; compiled by: I.V. Zenina, V.E. Dobrovolsky, V.I. Shishatskaya. - Electronic text data (1 file: 478.61 KB). - Kyiv: KPI named after Igor Sikorsky, 2019. - 64 p. URL: <https://ela.kpi.ua/handle/123456789/27932>
3. Physical Education. Theoretical and methodological foundations of shaping [Electronic resource]: a textbook for students who attend the section of shaping / KPI. Igor Sikorsky; compiled by: H.L . Boyko, S.V. Sharafutdinova, T.G. Kozlova, N.V. Ivanyuta, N.E. Gavrilova. - Electronic text data (1 file: 2.41 MB). - Kyiv: KPI named after Igor Sikorsky, 2018. - 139 p. URL: <https://ela.kpi.ua/handle/123456789/23598>
4. Physical Education. Fitness: textbook. way. / V.B. Zinchenko, Y.O. Usachov, VV Biletskaya, VP Semenenko and others. - Kyiv.: NAU, 2014. - 220 p. Contains general information about the organization and conduct of educational and independent classes of selective orientation with the use of practical material on various sports and physical activity (football, basketball, volleyball, table tennis, health fitness, tourism) and recommendations on the content of physical rehabilitation classes. For students of all specialties of higher educational institutions. URL: <http://er.nau.edu.ua/handle/NAU/21156>

Additional literature:

1. Optimization of the process of teaching swimming by means of aquafitness [Electronic resource]: methodical recommendations for practical classes for students of the educational department of swimming / KPI. Igor Sikorsky; compiled by: N.A . Dakal, O .G .Cherevichko, O. Y. Kalischuk. - Electronic text data (1 file: 114.29 KB). - Kyiv: KPI named after Igor Sikorsky, 2017. - 26 p. - Name from the screen. <https://ela.kpi.ua/handle/123456789/21002>
2. Physical Education. Athletic gymnastics for beginners (back muscles) [Electronic resource]: methodical recommendations for independent work of students / KPI. Igor Sikorsky; structure. O.F.

- Tverdokhlib, M.G. Masalkin, Yu. O. Martinov. - Electronic text data (1 file: 2.67 MB). - Kyiv: KPI named after Igor Sikorsky, 2017. - 43 p. - Name from the screen. <https://ela.kpi.ua/handle/123456789/20607>
3. Physical Education. Athletic gymnastics for beginners (muscles of the upper extremities) [Electronic resource]: methodical recommendations for independent work of students / KPI. Igor Sikorsky; OF Tverdokhlib, AI Sobolenko, MM Koryukaev. - Electronic text data (1 file: 1.47 MB). - Kyiv: KPI named after Igor Sikorsky, 2017. - 36 p. - Name from the screen. URI (Unified Resource Identifier): <https://ela.kpi.ua/handle/123456789/20606>
 4. Individualization of the educational process of students in practical classes in shaping [Electronic resource]: methodical recommendations for practical classes for students of the educational department of shaping / KPI. Igor Sikorsky; уклад .: H.L. Boyko, S. V. Sharafutdinova, T.G. Kozlova, N. V. Ivanyuta, N.E. Gavrilova. - Electronic text data (1 file: 737.41 Kbytes). - Kyiv, 2017. - 58 p. - Name from the screen. <https://ela.kpi.ua/handle/123456789/20446>
 5. Methodical instructions for the implementation of safety requirements and injury prevention of students in classes in athletic gymnastics in higher educational institutions [Electronic resource] / KPI. Igor Sikorsky; compiled by: O.K. Sirotynskaya, M.S. Pankratov. - Electronic text data (1 file: 155.5 KB). - Kyiv: KPI named after Igor Sikorsky, 2017. - 24 p. - Name from the screen. <https://ela.kpi.ua/handle/123456789/20060>
 6. Independent classes in physical education for students of tourism [Electronic resource]: methodological recommendations for studying the discipline / KPI. Igor Sikorsky; compiled by: V.M. Mikhailenko, S. M. Soga. - Electronic text data (1 file: 128.42 KB). - Kyiv: KPI named after Igor Sikorsky, 2017. - 64 p. - Name from the screen. <https://ela.kpi.ua/handle/123456789/20033>
 7. Physical Education. Material and technical support of the game of table tennis [Electronic resource]: methodical recommendations for studying the discipline for students of the educational department of table tennis / KPI. Igor Sikorsky; structure. L.G. Grishko, I.V. Novikova, V.K. Shcherbachenko, O.M. Chichenova. - Electronic text data (1 file: 1.45 MB). - Kyiv: KPI named after Igor Sikorsky, 2017. - 43 p. - Name from the screen. <https://ela.kpi.ua/handle/123456789/19854>
 8. Measures to prevent injuries during sports gymnastics [Electronic resource]: methodical recommendations for students who are engaged in sports gymnastics / KPI. Igor Sikorsky; structure. I.V. Zenina; resp. ed. I.Y. Khimich. - Electronic text data (1 file: 213.5 KB). - Kyiv: KPI named after Igor Sikorsky, 2017. - 38 p. - Name from the screen. URI (Unified Resource Identifier): <https://ela.kpi.ua/handle/123456789/19344>
 9. Physical education [Electronic resource]: methodical recommendations for independent physical education classes for students of the educational department of aerobics NTUU "KPI". Methodical recommendations for students engaged in aerobics / NTUU "KPI"; structure. N. V. Ivanyuta, S. E. Tolmachova, N.V. Kuzmenko, N.V. Gradusova [etc.]. - Electronic text data (1 file: 32.4 KB). - Kyiv: NTUU "KPI", 2015. - 137 p. - Name from the screen. URI (Unified Resource ID): <https://ela.kpi.ua/handle/123456789/15480>
 10. Peculiarities of organization and holding of volleyball competitions in higher educational institutions according to simplified rules [Electronic resource]: methodical recommendations / NTUU "KPI"; structure. D.M. Mishchuk. - Electronic text data (1 file: 874 Kbytes). - Kyiv: NTUU "KPI", 2015. - 29 p. - Name from the screen. URI (Unified Resource Identifier): <https://ela.kpi.ua/handle/123456789/15477>
 11. Physical Education. Methodical recommendations for performing a set of exercises with a fit ball for students of the aerobics department of NTUU "KPI" [Electronic resource] / NTUU "KPI"; structure. NV Ivanyuta, SE Tolmachev. - Electronic text data (1 file: 906 KB). - Kyiv: NTUU "KPI", 2015. - 42 p. - Name from the screen. Description: The full text of the document is available only in the local network of the university URI (Unified Resource Identifier): <https://ela.kpi.ua/handle/123456789/11742>
 12. Methodical recommendations for the organization and conduct of training sessions in the department of table tennis NTUU "KPI" [Electronic resource] / NTUU "KPI"; structure. L.G. Grishko, O. M. Chichenova, V.K. Shcherbachenko. - Electronic text data (1 file: 448 KB). - Kyiv: NTUU "KPI",

2014. - 58 p. - Name from the screen. Description: The full text of the document is available only in the local network of the university URI (Unified Resource Identifier): <https://ela.kpi.ua/handle/123456789/10156> {{ 1}}
13. Development of physical qualities in shaping classes [Electronic resource]: methodical recommendations for practical classes for students of the educational department of shaping / NTUU "KPI"; structure. H.L. Boyko, O.F. Tverdokhlib, T.G. Kozlova, S.V. Sharafutdinova, N.E. GavriloVA. - Electronic text data (1 file: 1.60 MB). - Kyiv: NTUU "KPI", 2014. - 31 p. - Name from the screen. Description: The full text of the document is available only in the local network of the university URI (Unified Resource Identifier): <https://ela.kpi.ua/handle/123456789/10148>
14. Methodical recommendations for performing a set of exercises on the Pilates system [Electronic resource] / NTUU "KPI"; structure. S.E. Tolmacheva, N.V. Ivanyuta. - Electronic text data (1 file: 17.1 MB). - Kyiv: NTUU "KPI", 2014. - 66 p. - Name from the screen. Description: The full text of the document is available only in the local network of the university URI (Unified Resource Identifier): <https://ela.kpi.ua/handle/123456789/8148> {{ 1}}
15. Initial swimming training [Electronic resource]: methodical recommendations for practical classes for students who do not know how to swim / NTUU "KPI"; structure. N.A. Dakal, K.M. Smirnov, E.M. Shcheglov. - Electronic text data (1 file: 5.72 KB). - Kyiv: NTUU "KPI", 2012. - Name from the screen. Description: The full text of the document is available only in the local network of the university URI (Unified Resource Identifier): <https://ela.kpi.ua/handle/123456789/1787>
16. Methodical recommendations for practical independent classes for the development of physical qualities of students of the educational department of volleyball [Electronic resource] / NTUU "KPI"; structure. D.M. Mishchuk. - Electronic text data (1 file: 364 KB). - Kyiv: NTUU "KPI", 2009. - Name from the screen. Description: The full text of the document is available only in the local network of the university URI (Unified Resource Identifier): <https://ela.kpi.ua/handle/123456789/1783>
17. Basics of health-improving running [Electronic resource]: methodical recommendations for independent work of students at the discipline "Physical Education" / NTUU "KPI"; structure. N.M. Prus, S.M. Uskova, B.A. Feinberg, N.M. GavriloVA. - Electronic text data (1 file: 177 KB). - Kyiv: NTUU "KPI", 2012. - Name from the screen. Description: The full text of the document is available only in the local network of the university URI (Unified Resource Identifier): <https://ela.kpi.ua/handle/123456789/1781>
18. Basic aerobics in the structure of health fitness [Electronic resource]: methodical recommendations for practical classes in the discipline "Physical Education" for students of all specialties / NTUU "KPI"; structure. N.V. Gradusova, N.V. Kuzmenko. - Electronic text data (1 file: 187 KB). - Kyiv: NTUU "KPI", 2011. - Name from the screen. Description: The full text of the document is available only in the local network of the university URI (Unified Resource Identifier): <https://ela.kpi.ua/handle/123456789/1780>

Educational content

5. Методика опанування навчальної дисципліни (освітнього компонента)

No.	Type of training session	Description of the training session
<i>Section 1. Theoretical and methodological principles of forming motivation for a healthy lifestyle.</i>		
<i>Topic 1.1. General basics of health</i>		
1	<i>Lecture 1. Health - as a state task and personal need of man.</i>	<i>The history of human knowledge of the essence of health from ancient times to the present. Concepts of health and healthy lifestyle. State approaches to the formation, strengthening and preservation of human health in the world. Human health is a global problem of today.</i>

		<i>Task for self-training: item 6.</i>
2	<i>Practical lesson No 1.</i>	<i>The main components of health. Essential elements of human health, spiritual well-being and harmonious development: mental, physical, social. Natural health factors Relationship between pathology and health, normology. Mechanisms of health research. Conducting an express survey. Task for self-training: item 6.</i>
3	<i>Practical lesson No 2.</i>	<i>The essence of a healthy lifestyle and the conditions of its formation. Healthy lifestyle in the national traditions of different peoples. The role of motivations and attitudes in the formation of the foundations of a healthy life of modern man. Components of HLS of modern man: way, level, quality, lifestyle, etc. Conducting an express survey Task for self-training: item 6.</i>
4	<i>Practical lesson No 3.</i>	<i>Genetic aspects of health. Biorhythms and health. Mental and physical capacity of a person. Fatigue, its essence and diagnosis. Fatigue, measures to prevent it. Control and self-control over the state of the organism. Day mode. Conducting an express survey Task for self-training: item 6.</i>
<i>Topic 1.2. Health effects of behavior.</i>		
5	<i>Lecture 2. Hierarchy of needs and values in human existence. Heredity, habits, preferences.</i>	<i>Social conditioning of human health: a hierarchy of needs and values in human existence. Heredity, habits, preferences. Formation of behavioral safety skills. Moral principles and principles of harmonization of life. Self-discipline, respect, moderation, spirituality, control of desires and emotions. Task for self-training: item 6.</i>
6	<i>Practical lesson No 4.</i>	<i>Human health and behaviors that contribute to the preservation and strengthening. Influence of behavior on human reserves and resources. Deviant behavior (alcohol, drug use, smoking, drug addiction, etc.) and its prevention. Social health conditions. Conducting an express survey Task for self-training: item 6.</i>
7	<i>Practical lesson No 5.</i>	<i>Physical health, its essence. Adaptation potential. Modern approaches to quantifying physical health. Comprehensive assessment of physical performance: testing of physical qualities, functional diagnostics of body systems, anthropometry, assessment of the musculoskeletal system. Methods of self-assessment of human physical condition. Conducting an express survey Task for self-training: item 6.</i>
8	<i>Practical lesson No 6.</i>	<i>Health and environmental factors. Health properties, color, sound, smell, etc. Psycho-emotional and mental means of regulation and self-regulation of the psychosomatic state of man. Sound-verbal, thermal,</i>

		<p><i>light, color, mineral and vibration means of regulation. Basics of phytotherapy. Luscher's theory of color perception. Types of temperament, definition of types of temperament. Temperament and behavior. Conducting an express survey</i></p> <p><i>Task for self-training: item 6.</i></p>
<i>Topic 1.3. Nutrition and health</i>		
9	<i>Lecture 3. The impact of qualitative and quantitative parameters of nutrition on human health.</i>	<p><i>Regulation and self-regulation of the psychosomatic state of man by food. Nutrition and health. Modern theories of nutrition. Characteristics of the main food groups. The mode of a balanced rational diet: norm, periodicity, daily distribution of consumption of substances, their caloric content.</i></p> <p><i>Task for self-training: item 6.</i></p>
10	<i>Practical lesson No 7.</i>	<p><i>Modern problems of food. Harmful effects of modern food. Principles of proper nutrition. The influence of food on human behavior. Formation of human food motivation. Factors influencing the specifics of nutrition.</i></p> <p><i>Conducting an express survey</i></p> <p><i>Task for self-training: item 6.</i></p>
11	<i>Practical lesson No8.</i>	<p><i>Food quality and disease. Food contamination and risk of disease. Ingredients of food and their importance for the body. Rules for the use of food products.</i></p> <p><i>Conducting an express survey.</i></p> <p><i>Task for self-training: item 6.</i></p>
12	<i>Practical lesson No9.</i>	<p><i>Modern theories of nutrition. The role of water in the life of the organism. Separate and mixed, health and medical nutrition. Vegetarianism as a food system. Impact of food impurities on human health.</i></p> <p><i>Conducting an express survey</i></p> <p><i>Task for self-training: item 6.</i></p>
13	<i>Lecture 4. Environmental aspects of nutrition</i>	<p><i>Pollution factors. Environmental pollution and migration of chemical compounds. Soil and microorganisms. Chemical elements in the soil cause disease. Food cleaning technologies.</i></p> <p><i>Task for self-training: item 6.</i></p>
14	<i>Practical lesson No 10.</i>	<p><i>Determination of body weight components and methods of its correction. Features of nutrition in representatives of different somatotypes. Features of dietary nutrition. The effect of nutrition on biota. Features of sports nutrition. Antidepressant products.</i></p> <p><i>Conducting an express survey</i></p> <p><i>Task for self-training: item 6.</i></p>
15	<i>Practical lesson No11.</i>	<p><i>Problems of hidden starvation: the impact of vitamin and micronutrient deficiencies on health. The influence of diet on metabolic processes in the body. Pyramid of healthy eating. Features of nutrition in case of psychosomatic disorders.</i></p> <p><i>Conducting an express survey</i></p>

		<i>Task for self-training: item 6.</i>
<i>Topic 1.4. Health and age of human life</i>		
16	<i>Lecture 5 Age-related changes in personal potential.</i>	<i>Determination of the human biological age. The concept of "psychosomatic state of a man". Psychosomatic disorders, their characteristics. Means of regulating the psychosomatic state. Mental health. Psychosomatic overload and factors of its occurrence. Stress, its concept. Stress resistance in different periods of life, prevention of disorders. Task for self-training: item 6.</i>
17	<i>Practical lesson 12.</i>	<i>Age periodization of human life. Crises of age periods in a person's life. Emotional discomfort as a factor in psychosomatic disorders. Prevention of psychosomatic disorders. Individuals of the risk group. Stress factors. Conducting an express survey Task for self-training: item 6.</i>
18	<i>Practical lesson No 13.</i>	<i>Execution of modular control work (part 1) Task for self-training: item 6.</i>
<i>Section 2. Formation of skills and abilities of a healthy way of life by means and methods of motor activity.</i>		
<i>Topic.2.1. Motor activity of people of different ages, genders</i>		
19	<i>Lecture 1. The essence of the motor activity.</i>	<i>The effect of motor activity on the human body. A healthy spine as guarantees of effective functioning of internal organs and systems. Age features of the physical activity application. Task for self-training: item 6.</i>
20	<i>Practical lesson No 1.</i>	<i>Motor activity is a biological need of the organism. Hypodynamia and hypokinesia and their effect on the human body. Norms of motor activity. Influence of motor activity on the state of the musculoskeletal system. Conducting an express survey Task for self-training: item 6.</i>
21	<i>Practical lesson No 2.</i>	<i>Exercise as a means of non-specific prevention of functional disorders and diseases. Types of exercise. Principles of motor activity. Relationship between physical activity and physical, mental, and social aspects of health. The influence of various factors on motor activity and the body's need for it. Conducting an express survey Task for self-training: item 6.</i>
22	<i>Practical lesson No 3.</i>	<i>Age dynamics of reduced human performance. Factors reducing human performance. Manifestation of physical qualities at different ages. Disease prevention at different ages. Conducting an express survey Task for self-training: item 6.</i>
23	<i>Lecture 2. Rehabilitation systems.</i>	<i>Health systems at the present stage of development of physical culture. Wellness systems and their components. Classification of basic natural health systems. Scientifically based, folk and traditional health systems.</i>

		<i>Task for self-training: item 6.</i>
24	<i>Practical lesson No 4.</i>	<i>Systems of psychical-emotional recovery: Norbekov's system, yoga, qigong, wushu, oriental martial arts with a system of ethical rules and physical exercises. Conducting an express survey. Task for self-training: item 6.</i>
25	<i>Practical lesson No 5.</i>	<i>Respiratory health systems: Buteyko breathing; breathing on Strelnikova; Bragg breathing, Wim Hoff system. Bodyflex system. Conducting an express survey. Task for self-training: item 6.</i>
26	<i>Practical lesson No 6.</i>	<i>Health nutrition system: Montaignac nutrition system. Power system H. Please. Gaubert Shelton system (separate power supply). Veganism and vegetarianism. Interval fasting system. Task for self-training: item 6.</i>
27	<i>Practical lesson No 7.</i>	<i>Body cleansing systems: Malakhov purification system (kidney cleansing); Peter Kurinny's system (liver cleansing); Norbert Walker lymph cleansing system with citrus juices Conducting an express survey Task for self-training: item 6.</i>
28	<i>Practical lesson No8.</i>	<i>Hardening systems of the organism: Zalmanov's hardening system; Kneipp hardening system; natural healing system Porphyry Ivanov "Baby"; Wim Hoff system. Conducting an express survey. Task for self-training: item 6.</i>
29	<i>Practical lesson No9.</i>	<i>Physical development systems: Lidyad system "Running from a heart attack"; Amosov System "Limit and Load Mode", "Thousand Movements", Jane Fonda Aerobics - a combination of gymnastics and dance with music; J. Pilates system; Moshe Fendelkrais's method - awareness through movement; Athletic gymnastics "Bodybuilding" - a system of exercises with weights to improve the "body structure", Aqua aerobics (hydroaerobics) - an energy-producing, intense system of aerobic exercises performed in water. Conducting an express survey Task for self-training: item 6.</i>
<i>Topic 2.1 Individual programs of physical activity</i>		
30	<i>Lecture 3. Rationale and application of programs of physical activity in different areas.</i>	<i>The purpose and objectives of training programs for health and sports. Principles of health training. Taking into account the individual characteristics of a person when compiling training programs for health. Orientation of training programs. Task for self-training: item 6.</i>
31	<i>Practical lesson No 10.</i>	<i>Characteristics of loads applied in training programs. The structure of the training session. Features of using the physical activity of a different orientation. Conducting an express survey Task for self-training: item 6.</i>

32	<i>Lecture 4. Methods of mastering programs on motor activity of different orientations of development of physical qualities of the person.</i>	<i>Methods of restoring physical fitness. Task for self-training: item 6.</i>
33	<i>Practical lesson No 11.</i>	<i>Determination of body weight components and methods of its correction. Peculiarities of nutrition in representatives of different somatotypes. Peculiarities of dietary nutrition. The influence of nutrition on the microbiota. Features of sports nutrition. Antidepressant products. Conducting an express survey Task for self-training: item 6.</i>
34	<i>Practical lesson No 12.</i>	<i>Techniques of stretching and increasing mobility in the joints. Methods of development of coordination abilities and dexterity. Methods of aerobic and anaerobic training. Conducting an express survey Task for self-training: item 6.</i>
35	<i>Practical lesson No 13.</i>	<i>Execution of modular control work (part 2)</i>
36	<i>Practical lesson No 14</i>	<i>Conducting a test</i>

6. Independent work of the student

Preparation for practical classes, calculations based on primary data obtained during and after functional tests (at the beginning of each month), and the performance of modular control work. Independent student`s work (18 hours) involves preparation for classroom activities and control activities.

Distribution of RSM hours: preparation for practical classes - 9 hours; preparation for MCW - 6 hours; preparation for the test - 3 hours.

Policy and control

7. Policy of the discipline (educational component)

System of requirements for students:

Rules of conduct in the classroom: compliance with safety requirements.

Rules for the protection of individual tasks: compliance with the principle

Rules for awarding incentive points: incentive points are awarded for performance of analytical work on topics agreed with the teacher up to 10 points.

- policy of deadlines and rescheduling: classes that are missed without good reason, are completed in the allotted time at the end of the semester. Students have the possibility of two reshuffles in the presence of the commission.*
- other requirements that do not contradict the legislation of Ukraine and regulations of the University: when taking the test students must follow safety rules.*
- policy on academic integrity: policy, principles of academic integrity, and norms of ethical behavior of students and employees of the University are defined in the code of honor of KPI named after Igor Sikorsky (see: [https // kpi.ua / code](https://kpi.ua/code)).*

8. Types of control and rating system for assessing learning outcomes (RSM)

The first semester

1. Completion of test tasks in practical classes

In practical classes No 1-12 test tasks are evaluated in 2 points.

The maximum number of points for test tasks - 24 points.

2. Modular test

Conducted in the 13th practical lesson in the form of a test containing 26 test tasks, each correct answer is evaluated in 1 point.

Maximum score - 26 points.

Calendar control is performed during the semester as a monitoring of the current state of compliance with the syllabus requirements. A student receives a positive result from the QC when his/ her current rating score is at least 50% of the maximum possible.

Second semester

1. Completion of test tasks in practical classes

In practical classes No1-12, test tasks are evaluated in 2 points.

The maximum number of points for test tasks is 24.

2. Modular test

Conducted in the 13th practical lesson in the form of a test containing 26 test tasks, each correct answer is evaluated in 1 point.

Maximum score - 26 points.

Calendar checks are performed twice a semester to monitor the current status of syllabus requirements. A student receives a positive result from the QC when his current rating score is at least 50% of the maximum possible at the time of the QC.

The final assessment of the student's mastery of the educational component is assessed by the result of his work for the semester with the transfer of his rating points to the university assessment scale (Table 1).

The final student's rating cannot exceed 100 points!

Semester control - credit.

If a student scores less than 60 points in the 1-2 semester or wants to increase his / her rating score, then in the last scheduled session in the 2nd semester (18th week), he/she is given the ability to perform a test, and its previous rating is revoked.

The test is conducted in the form of testing. The student is offered an integrated test containing 50 questions, each correct answer is evaluated in 2 points.

The maximum number of points for the integrated test is 100 points.

The points obtained by the student for the integrated test are translated into a grade on a university scale.

Table 1. Correspondence of rating points to grades on the university scale:

<i>Student Score</i>	<i>University Score</i>	<i>Student rating points</i>	<i>University grade</i>
100-95			Excellent
94-85			Very Good
84-75			Good
74-65			Satisfactory
64-60			Sufficient

Менше 60	Unsatisfactory
Не виконані умови допуску	Not allowed

9. Additional information on the discipline (educational component)

The study of the material on the subject provides the use of modern technologies in the educational process. During the academic period, students are expected to use tools and methods of self-control over their health, and their compliance with the requirements for the prevention of injuries and diseases.

The syllabus:

Compiled by *acting Head of Department of Health and Sports Technologies, Ph.D., Associate Professor, Hanna Boyko*

Adopted by *Computer Systems Software Department (protocol № 12 from 26.04.23)*

Approved by *the Faculty Board of Methodology (protocol № 10 from 26.05.23)*