

# Game sports (volleyball)

## Work program of the discipline (Syllabus)

### Details of the discipline

The level of higher education	<i>The First(Bachelor degree)</i>
Branch of knowledge	<i>All</i>
Specialty	<i>All</i>
Educational program	<i>All</i>
Discipline status	<i>Selective</i>
Form of studying	<i>Full – time (daily)</i>
Year of preparation, semester	<i>2 – nd year, autumn/ spring semester</i>
The scope of the discipline	<i>2 credits (60 hours) classroom classes: lectures - 0 hours, practical - 36 hours, self- studying -24 hours</i>
Semester control / control measures	<i>Credit, modular control work, calendar control</i>
Lessons schedule	<i>2 hours per week</i>
Language of instruction	<i>Ukrainian</i>
Information about the course leader / teachers	<i>fv.fbmi.kpi.ua</i>
Course placement	<i><u><a href="https://do.ipk.kpi.ua/course/view.php?id=1876">Volleyball training department</a></u> <u><a href="https://do.ipk.kpi.ua/course/view.php?id=1876">https://do.ipk.kpi.ua/course/view.php?id=1876</a></u></i>

### Curriculum of the discipline

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

The main purpose of the discipline "Game sports (volleyball)" is the formation of students' ability to maintain a sufficient level of physical health, physical and mental capacity; to develop the basic vital professional-applied motor skills; to form motivation to engage in physical activity and sports as a component of a healthy lifestyle;

The discipline "Game sports (volleyball)" is interdisciplinary. It integrates, according to its subject, knowledge of medical-biological, psychological-pedagogical and other sciences, which contribute to the level of physical development, functional improvement of body systems, acquisition of basic vital motor skills, skills for further professional activity. As a result of studying the discipline "Game sports (volleyball)" students will be able to:

- 1) use the means of table tennis to improve physical and mental performance, development of physical qualities, recovery and health;
- 2) to exercise control and self-control over the functional state of the organism;
- 3) to ensure the preservation and strengthening of individual health in order to maintain an appropriate level of physical condition.

## The content of the discipline

- Topic 1. Information support for volleyball classes.
- Topic 2. Methods of determining the individual physical condition. Analysis and assessment of the level of individual physical fitness.
- Topic 3. Improving physical fitness by means of volleyball
- Topic 4. Improving the technique of performing volleyball exercises.
- Topic 5. Monitoring and assessing the level own physical fitness.
- Topic 6. Improving physical qualities by means of volleyball
- Topic 7. Testing the level of physical fitness

## 4. Educational materials and resources

### Basic educational literature:

#### Educational manuals:

1. 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. DM Mishchuk. - Electronic text data (1 file: 364 KB). - Kyiv: NTUU "KPI", 2009. - Title 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> 2. Features of the organization and conduct of volleyball competitions in higher educational institutions according to simplified rules [Electronic resource]: methodical recommendations / NTUU "KPI"; structure. DM 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>

3. Innovative technologies of physical education of students [Electronic resource]: a textbook for students studying the discipline "Physical Education" and students majoring in 227 "Physical Therapy, Occupational Therapy" / GL Boyko [etc.]; KPI them. Igor Sikorsky; for general ed. Yu. M. Vykhylyeva. - Electronic text data (1 file: 5.72 MB). - Kyiv: KPI named after Igor Sikorsky, 2018. - 543 p. - Name from the screen. URI (Unified Resource Identifier): <https://ela.kpi.ua/handle/123456789/27546>

### Additional literature:

1. Physical education: Course of lectures on the discipline for students of all specialties / Uklad. Vykhylyev Yu M., Davydenko V. Yu., Boyko GL, Karpyuk I. Yu. - K.: NTUU "KPI", 2007, p. 6 - 13.

2. Physical Education. Athletic gymnastics for beginners (back muscles) [Electronic resource]: methodical recommendations for independent work of students / KPI. Igor Sikorsky; structure. OF Tverdokhlib, MG 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.

URI (Unified Resource Identifier): <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. Physical education [Electronic resource]: methodical recommendations for independent physical education classes for students of the educational department of aerobics of NTUU "KPI". Methodical recommendations for students engaged in aerobics / NTUU "KPI"; structure. NV Ivanyuta, SE Tolmachova, NV Kuzmenko, NV Gradusova [etc.]. - Electronic text data (1 file: 32.4 KB). - Kyiv: NTUU "KPI", 2015. - 137 p. - Name from the screen.

URI (Unified Resource Identifier): <https://ela.kpi.ua/handle/123456789/15480>

5. Physical Education. Methodical recommendations for performing a set of exercises with fitball 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> {{ 1}}

6. Methodical recommendations for performing a set of exercises on the Pilates system [Electronic resource] / NTUU "KPI"; structure. SE Tolmacheva, NV 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}}

7. 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. NV Gradusova, NV 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. Methods of mastering the discipline (educational component)**

Practical lesson № 1. Tasks: 1. To provide theoretical knowledge on the organization of the system of physical education in KPI. Igor Sikorsky and MCR topics for the semester.

2. Get acquainted with safety and basic rules of practical tasks.

Tools: interactive materials.

Conducting an express survey.

Practical lesson № 2. Tasks: 1. Determine the individual level of functional status cardiovascular system (CCC).

2. To acquaint with features of conducting "Diary of self-control of the student". Access mode <http://fv.fbmi.kpi.ua/documents/Schoden2020-2021.docx>

3. To get acquainted with general developmental exercises (SRE) and methods of compiling SAR complexes.

Tools: interactive materials, "Student self-control diary".

Conducting an express survey. : 1. To provide theoretical knowledge on the history of the origin and development of volleyball. Rules of volleyball (content of the game, layout of the court, racks and net in the game of volleyball).

2. Promote the physical quality of flexibility.

Tools: interactive materials. Rules of volleyball. History of volleyball

Conducting an express survey.

Practical lesson № 4. Tasks: 1. To provide theoretical knowledge of the rules of volleyball (location of players in areas on the court, area for serving). Playing roles of volleyball players.

2. Promote the physical quality of flexibility.

Tools: interactive materials. History of the origin and development of volleyball.

Conducting an express survey.

Practical lesson № 5. Tasks: 1. To acquaint and teach the technique of performing volleyball racks.

2. Promote the development of special forces (jumping).

Tools: interactive materials. The main rack of a volleyball player, jumps, turns, movements.

Educational game.

Conducting an express survey.

Practical lesson № 6. Tasks: 1. To determine the individual level of functional state of the cardiovascular system (CCC).

To acquaint and teach the technique of execution

Promote the development of the physical quality of strength.

Tools: interactive materials. Volleyball racks, jumps, turns, moves.

Conducting an express survey.

Practical lesson № 7. Tasks: 1. To get acquainted with the technique of passing the ball with both hands from above.

2. Promote the development of physical quality of endurance.

Tools: interactive materials. Passing the ball with both hands from above. Preparatory exercises for learning to pass the ball with both hands from above. Educational game.

Conducting an express survey.

Practical lesson № 8. Tasks: 1. To get acquainted with the technique of passing the ball with both hands from below.

2. Promote the development of the physical quality of jumping.

Tools: interactive materials. Passing the ball with both hands from below. Preparatory exercises for learning to pass the ball with both hands from below. Educational game.

Conducting an express survey.

Practical lesson № 9. Tasks: 1. To acquaint with the technique of performing the lower direct feed.

2. Promote the physical quality of speed.

Tools: interactive materials. Submissions. Lower direct feeds. Educational game.

Conducting an express survey.

Practical lesson № 10. Tasks: 1. Determine the level of functional state of the CCC.

2. Get acquainted with the technique of performing the upper direct feed.

3. Promote the development of speed and power qualities.

Tools: interactive materials. Testing of the individual level of the functional state of the cardiovascular system (CCC). interactive materials. Submissions. Top straight feeds. Educational game.

Conducting an express survey.

Practical lesson № 11. Tasks: 1. To teach the technique of performing the upper direct feed.

2. Promote the development of physical quality of dexterity.

Tools: interactive materials. Submissions. Top straight feeds. Educational game.

Conducting an express survey.

Practical lesson № 12. Tasks: 1. To get acquainted with the technique of attacking (running).

2. Contribute to the development of physical quality of endurance.

Tools: interactive materials. Running for an attacking blow. Educational game.

Conducting an express survey.

Practical lesson №13. Tasks: 1. To get acquainted with the technique of attacking.

2. Promote the physical quality of flexibility.

Tools: interactive materials. Execution of an attacking blow. Educational game.

Conducting an express survey.

Practical lesson № 14. Tasks: 1. To determine the individual level of the functional state of the cardiovascular system (CCC).

2. Get acquainted with the technique of performing different types of attacking blow.

3. Promote the development of physical quality of dexterity.

Tools: interactive materials. Testing of the individual level of the functional state of the cardiovascular system (CCC). Attacking blows. Educational game.

Conducting an express survey.

Practical lesson № 15. Tasks: 1. To acquaint with the technique of single blocking in the game of volleyball.

2. Promote the physical quality of speed.

Tools: interactive materials. . Locking. Educational game.

Conducting an express survey.

Practical lesson № 16. Tasks: 1. To teach the technique of performing the first pass of the ball with both hands from above.

2.

Means: passing the ball with both hands from above and below, control standards - jumping up, shuttle run 4x9 m from a high start, torso tilt from a sitting position, flexion-extension of the arms in lying down (girls) pull-ups on the crossbar (men).

Conducting an express survey.

Practical lesson № 17.

Performing a modular test

Practice

## 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), performance of modular control work (17-th week), keeping a diary of self-control.

## Policy and control

### 7. Discipline policy (educational component)

Class attendance rules: students who are late for classes are not allowed; students are admitted to classes if they have sportswear and sports shoes, and a certificate of their medical group for health reasons.

Rules of conduct in the classroom: turn off the phones, comply with safety requirements. Rules for the protection of individual tasks: compliance with the principle of academic integrity

Rules for awarding incentive points: incentive points are awarded for participation in competitions, sports and recreation activities according to the plan of the department, faculty, university (5... + 7 points); participation in city, national or international competitions (5... + 7 points), positive dynamics of physical condition in the diary of self-control (5... + 7 points).

*The amount of incentive points may not exceed 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)).

### Types of control and rating system for evaluation of learning outcomes (RSO)

1. Performing test tasks in practical classes

In practical classes №1-16 test tasks are evaluated in 1 point.

The maximum number of points for test tasks - 16 points.

2. Modular test

Conducted on the 17th practical lesson in the form of a test containing 30 test tasks, each correct answer is evaluated in 1 point.

Maximum score - 30 points.

3 . Keeping a Diary of Self-Monitoring

Keeping a diary is kept monthly.

Maximum score is 4 points.

tests on physical fitness - 50 points.

Jump up from a place (cm);

Men	55	51	48	43	40	≤39
Women	45	42	38	35	30	≤29

Points	10	9	8	7	6	5
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Shuttle run 4 x 9 m, (sec)

Men	9,0	9,4	9,8	10,3	10,8	11,0	>11,0
Women	10,4	10,7	11,2	11,6	12,0	12,3	>12,3
Points	10	9	8	7	6	5	0

Strength exercise: men - pull-ups on the crossbar; women - flexion-extension of the arms lying down (times);

Men	10	9	8	7	6	5	<5
Women.	20	15	12	10	8	7	<7
Points	10	9	8	7	6	5	0

Flexibility exercise (cm);

Men	13	11	9	7	5	3	<3
Women	16	14	12	10	8	6	<6
Points	10	9	8	7	6	5	0

According to a separate schedule during the semester: freestyle swimming without taking into account time (m);

Men.	100	75	50	25	<25
Women	100	75	50	25	<25
Points	10	8	6	4	0

Calendar control is carried out during the semester as a monitoring of the current state of compliance with the requirements of the syllabus. 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. Week 18), it is given the opportunity to perform an integrated test, and his previous rating is revoked

Table 1

Student Score	University Score	Student rating points	University grade
95 – 100			Excellent
85 – 94			Very Good
75 – 84			Good
65 – 74			Satisfactory
60 – 64			Sufficient
< 60			Unsatisfactory

## 9. Additional information on the discipline (educational component)

During the passage of educational material on the discipline provides for the use of modern technologies in the educational process. During the academic period, students are expected to use the means and methods of self-control over the state of health, their compliance with the requirements for the prevention of injuries and diseases, keeping diaries of self-control over the state of the body.

Practical tasks are given to students depending on the current state of functional readiness of their body and the degree of their mastery of the technique of performing sports and physical exercises.

The method of realization of tasks is regulated by safety rules and realization by students of independent control over a condition of the basic functional systems.

The practical classes solve problems to increase the level of development of physical and mental qualities, use analytical approaches to the choice of methods for developing the strength of individual muscles and their groups, as well as methods and means of active recreation and recovery.

During classes, in accordance with the requirements and forms of organization of table tennis lessons, educational equipment and sports facilities are used.

The program material for groups of initial physical training includes:

- physical training, the main purpose of which is to create a base for improving the level of skill with the help of general physical means of training
- technical training, the main purpose of which is to improve individual technique, expand the range of motor skills;

### **Work program of the discipline (syllabus):**

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Head of the Department of Sports Improvement, Ph.D., Associate Professor, Novitsky Yuriy Volodymyrovych

Approved by the Department of Physical Education \_\_\_\_\_ (Minutes № 3 from 26. 11 2020)

Department of Sports Improvement (Minutes № 2 from 27.11.2020)

Approved by the Methodical Council of the University (Minutes № 5 from 14.01.2021 )