



COURSE DESCRIPTION CARD - SYLLABUS

Course name

Physical education [C_CS>WF30]

Course

Field of study

Biomedical Engineering

Year/Semester

1/2

Area of study (specialization)

Air Transport Safety

Unmanned Aerial Vehicles

Technical Electrochemistry

Composites and Nanomaterials

Air Traffic Organisation

Aircraft Piloting

Aircraft Engines and Airframes

Onboard Systems and Aircraft Propulsion

Organic Technology

Polymer Technology

Heating, Air Conditioning and Air Protection

Water Supply, Water and Soil Protection

null

Profile of study

general academic

Level of study

first-cycle

Course offered in

polish

Form of study

full-time

Requirements

elective

Number of hours

Lecture

0

Laboratory classes

0

Other (e.g. online)

0

Tutorials

30

Projects/seminars

0

Number of credit points

0,00

Coordinators

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Lecturers

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Prerequisites

1. Knowledge: Basic knowledge about the rules of volleyball, basketball, table tennis, football, tennis, swimming, skiing, floorball, squash, aerobics and rowing; knowledge of foundations and principles of warm-up and strength exercises as well as techniques and tactics of the game, scoring and rules regarding the walkover victory.
2. Skills: Improving technical skills taught in these disciplines, knowledge of basic tactics.
3. Social Skills: Ability to suffer a defeat, desire for revenge in a fair sport, respect for sports' equipment,

sanities etc. Raising awareness about caring about body care (physical and mental)

Course objective

Educational: To learn techniques and tactics of the game that will be used daily at work, to learn how to organize a game, contest or tournament with proper scoring and refereeing. Educational: Respect for the rival and colleague, being able to support, motivate and encourage the partner, who is not doing well in the game. Cooperation with and respect for the judge. Health: To know how to organize spare time, to spend this time effectively, caring for function and fitness, to learn the proper hygienic habits that will have a positive effect on work's efficiency.

Course-related learning outcomes

Knowledge:

1. Student knows the technique of performing a particular sport;
2. Knows the accepted rules of the game and rivalry;
3. Knows how to explain the rules of the game, sum up the competition, and prepare a simple tournament's score scale.

Skills:

1. Student is able to: prepare a mini-tournament in team games and/or table tennis/ tennis, carry out a rowing competition using ergometer, perform an aerobic dance system with a group;
2. Is able to use their knowledge in practice;
3. Is able to cooperate with a partner, referee, organizer or participant;
4. Is able to find and implement the best solutions that will drive the team to a fair-play victory;
5. Is able to recognize the rival team's tactics.

Social competences:

1. The student should be aware of the need for exercise and physical activity;
2. Should be responsible for his/hers decisions and actions and for the teammates;
3. Should be willing to help, both on the field and in everyday life;
4. Should be sensitive to injustice and harm. Should follow the rules, standards and binding rules.

Methods for verifying learning outcomes and assessment criteria

Learning outcomes presented above are verified as follows:

Basketball: 5 wheels test

Volleyball: Playing the ball in pairs, the three deflections attack

Football: Football test

Table tennis and tennis: Single and double tournament

Weight training: Test of lifting the weights, pulls on the stick and abdominal exercises

Swimming: Test of swimming in different styles on time

Aerobic: Preparing and performing a training set with music

Rowing ergometer: Checking the ability of rowing the distance technically correct on time

Squash: Tournament

Programme content

Basketball: Improving the skills of throwing in the run and jump, learning the throw and passing feints

Volleyball: Perfecting the skills of playing the ball in pairs and of attack and defense with a single block

Football: Perfecting the pass and go technique and playing in advantage, small games

Swimming: Learning of: the crawl, backstroke

Table tennis and tennis: Perfecting forehand and backhand, taking into account the proper footwork

Rowing ergometer: learning rowing techniques

Weight training: acquiring knowledge about the human movement apparatus, exercises for individual muscle parts

Aerobic: Learning new steps and choreography, implementing them into practice.

Teaching methods

Specialized exercises

Bibliography

Basic:

Rules of Volleyball 2010, Basketball 2011, Football 2005, Tennis and Squash.

Additional:

Press titles concerning particular sports.

Breakdown of average student's workload

	Hours	ECTS
Total workload	30	0,00
Classes requiring direct contact with the teacher	30	0,00
Student's own work (literature studies, preparation for laboratory classes/ tutorials, preparation for tests/exam, project preparation)	0	0,00