



## COURSE DESCRIPTION CARD - SYLLABUS

Course name

Indoor cycling / Rowing machine [C\_CS>RS30]

### Course

Field of study

Mathematics of Modern Technologies

Year/Semester

1/1

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

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

0

Tutorials

30

Projects/seminars

0

### Number of credit points

0,00

### Coordinators

mgr Katarzyna Wasielewska

katarzyna.wasielewska@put.poznan.pl

mgr Agata Ostrowska

agata.ostrowska@put.poznan.pl

### Lecturers

### Prerequisites

no contraindications

## Course objective

Stationary bicycles and rowing ergometer are a form of exercise recreation involving intensive work with the use of equipment: stationary bicycle and rowing ergometer. Athletic shoes and sports attire are required. It is advisable to have drinks to hydrate the body.

## Course-related learning outcomes

Knowledge:

The ability to independently conduct a warm-up

The ability to adjust the difficulty of tasks to individual needs during class

Skills:

The student acquires awareness of his/her body in order to skillfully select exercises for its formation and proper development

Able to adjust the pace of work according to the training goal

Social competences:

Is able to control the training load based on heart rate

Gains the ability to set up the equipment according to the dimensions of one's own body

## Methods for verifying learning outcomes and assessment criteria

Learning outcomes presented above are verified as follows:

Completing the course is achieved through active and regular participation in classes. Two absences are possible without the obligation to make up or justify 30 hours per semester.

The student is obliged to make up for remaining absences and short-term sick leave in consultation with his/ her teacher.

It is possible to complete two classes a week.

You can participate in physical education classes no more than once a day. Classes must be made up on a day other than the scheduled classes.

## Programme content

Getting familiar with the form of physical activity on stationary equipment, such as stationary bicycle and rowing ergometer.

Learning proper movement technique.

Learning how to take care of one's body, as well as the rules of conduct and hygiene during and after physical activity.

Comprehensive development of the body. Formation of motor characteristics: in particular: endurance and strength.

Taking care of equipment and its maintenance.

## Course topics

Rules for the safe use of a rowing ergometer Setting the equipment according to body parameters

Technique of riding on a rowing ergometer General endurance training

Special endurance training

Heart rate measurement and physical load

Harmonious shaping of the muscles of the legs, back, shoulders, buttocks, arms and abdomen Training with a variable pace

Group competition

Rules for safe use of an exercise bike

Setting the equipment (saddle and handlebar) according to body parameters Stationary bike riding technique

Learning the warm-up (riding at a leisurely pace, preparing for further riding), the main part (continuous riding with variable pace and load) and the final part (so-called calming down and calming down the body after intense work. Maintaining an appropriate riding rhythm.

## Teaching methods

1. Talk

2. Direct purposefulness of the movement
3. Task-oriented

### Bibliography

Basic:  
 ERGOMETER CONCEPT II USER'S GUIDE  
 Cycling.Training basics Dominik Lau

Additional:

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### 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