POZNAN UNIVERSITY OF TECHNOLOGY



EUROPEAN CREDIT TRANSFER AND ACCUMULATION SYSTEM (ECTS)

COURSE DESCRIPTION CARD - SYLLABUS

Course name Indoor cycling / Rowing machine [C_CS>RS30]

Course			
Field of study Mechanical and Automotive Engine	eering	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 Prop Organic Technology Polymer Technology null	oulsion	Profile of study general academic	C
Level of study first-cycle		Course offered in Polish	
Form of study full-time		Requirements elective	
Number of hours			
Lecture 0	Laboratory classe 0	2S	Other 0
Tutorials 30	Projects/seminars 0	8	
Number of credit points 0,00			
Coordinators		Lecturers	
mgr Katarzyna Wasielewska katarzyna.wasielewska@put.pozna	an.pl		
mgr Agata Ostrowska agata.ostrowska@put.poznan.pl			
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

- Direct purposefulness of the movement
 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