

Title <b>(Logistyka eksploatacji systemów technicznych)</b>	Code <b>1011104271011110372</b>
Field <b>Logistics - Part-time studies - First-cycle studies</b>	Year / Semester <b>4 / 7</b>
Specjalty -	Course <b>elective</b>
Hours Lectures: <b>1</b> Classes: -    Laboratory: -    Projects / seminars: <b>15</b>	Number of credits <b>5</b>
	Language <b>polish</b>

**Lecturer:**

dr inż. Łukasz Hadaś  
Katedra Zarządzania Produkcją i Logistyki  
ul. Strzelecka 11  
60-965 Poznań  
tel. (61) 665 34 01  
e-mail: lukasz.hadas@put.poznan.pl

**Faculty:**

Faculty of Engineering Management  
ul. Strzelecka 11  
60-965 Poznań  
tel. (61) 665-33-74, fax.  
e-mail: office\_fem@put.poznan.pl

**Status of the course in the study program:**

- optional subject

**Assumptions and objectives of the course:**

- Effects of the course - skills and competencies: Knowledge of the nature of logistics exploitation, understanding the principles of selection of machines in terms of durability, reliability and requirements of the technical staff.

Understanding the operating principles of maintenance systems, maintenance systems selection for groups of machines.

Organization skills materials management system for logistics operations. Ability to plan maintenance and repair work (scheduling) and the supply of spare parts.

**Contents of the course (course description):**

- Content of education:

Lectures: Basic concepts, introduction to the area of logistics operations. Factors for selection of machinery and equipment. Operating records of machines. Types and characteristics of the maintenance and repair work. Systems of maintenance: classical, TPM - Total Productive Maintenance, RCM - Reliability - Centered Maintenance. The allocation of works in logistics of exploitation (outsourcing and insourcing). Material management in the maintenance of machinery  
Project: The construction of the maintenance subsystem. Time horizons of planning maintenance function. Cycles of repair - the ingredients, the transfer cycles for repair plans. Planning for repairs and the demand for production capacity. Logistics supply spare parts for repairs. Classification of causes of failure. Selection of maintenance systems, analysis of ABC / XYZ in logistics of exploitation

**Introductory courses and the required pre-knowledge:**

- Basic knowledge of production and logistics management

**Courses form and teaching methods:**

- lecture, project,

**Form and terms of complete the course - requirements and assessment methods:**

- Lecture - Oral answer. Assessment of the project

**Basic Bibliography:**

**Additional Bibliography:**