

Title Rairoad maintenance and work technology	Code 1010101161010120314
Field Civil Engineering First-cycle Studies	Year / Semester 3 / 6
Specialty Road and Railroad Engineering	Course core
Hours Lectures: 2 Classes: - Laboratory: - Projects / seminars: 2	Number of credits 4
	Language polish

Lecturer:

-MSc Eng. Stefan Nowak
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Faculty:

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Status of the course in the study program:

-Specialist course for students of Road and Railroad Engineering.

Assumptions and objectives of the course:

-Acquaintance with maintenance procedures. Acquaintance with machines and equipment used in construction and maintenance of railroads.

Contents of the course (course description):

-Track maintenance, logistics of maintenance works, investigation of track and turnout state. Machines and procedures used in construction and maintenance of railroads.
Project: Technology of rail change. Technology of track and subgrade repair. Safety rules. Rail destressing, rail creep. Geometrical degradation of track.

Introductory courses and the required pre-knowledge:

-Knowledge from courses: Transport infrastructure, Railways 1; basic knowledge of strength of material and soil mechanics.

Courses form and teaching methods:

-Lectures illustrated with transparencies, design courses.

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

-Exam, realisation and defence of a project.

Basic Bibliography:

Additional Bibliography: