

Title Railway stations and junctions	Code 1010101161010120310
Field Civil Engineering First-cycle Studies	Year / Semester 3 / 6
Specialty Road and Railroad Engineering	Course core
Hours Lectures: 2 Classes: - Laboratory: - Projects / seminars: 1	Number of credits 4
	Language polish

Lecturer:

-PhD Hab. Eng. Łucjan Siewczyński, Profesor
Institute of Civil Engineering
Piotrowo 5, 60-965 Poznań
61 6652413

Faculty:

Faculty of Civil and Environmental Engineering
ul. Piotrowo 5
60-965 Poznań
tel. (061) 665-2413, fax. (061) 665-2444
e-mail: office_dceef@put.poznan.pl

Status of the course in the study program:

-Specialist course for students of Road and Railroad Engineering

Assumptions and objectives of the course:

-Learning of track alignment for different station types with principles of station design and operation technology.

Contents of the course (course description):

-Railway network and its elements: block posts, small, medium and large stations. Track alignment, station equipment, switch roads. Technology of station operation. Station's subgrade's drainage.

Project: Design of a small station. Calculation of a switch road. Station cross-section.

Introductory courses and the required pre-knowledge:

-Knowledge from courses: Transport infrastructure, Railways 1.

Courses form and teaching methods:

-Lectures illustrated with transparencies, design courses utilising multimedia devices.

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

-Exam, realisation and defence of a project.

Basic Bibliography:

Additional Bibliography: