



COURSE DESCRIPTION CARD - SYLLABUS

Course name

Bridge construction basics [S1BZ1E>PBM]

Course

Field of study

Sustainable Building Engineering

Year/Semester

3/6

Area of study (specialization)

–

Profile of study

general academic

Level of study

first-cycle

Course offered in

english

Form of study

full-time

Requirements

compulsory

Number of hours

Lecture

15

Laboratory classes

0

Other (e.g. online)

0

Tutorials

0

Projects/seminars

15

Number of credit points

2,00

Coordinators

dr hab. inż. Wojciech Siekierski

wojciech.siekierski@put.poznan.pl

Lecturers

Prerequisites

Concrete structures, steel structures, strength of materials, structural analysis

Course objective

transfer of knowledge on a) basic definitions, b) types and structural members of bridge structures, c) bridge structure fittings, d) methods of bridge analysis

Course-related learning outcomes

empty

Methods for verifying learning outcomes and assessment criteria

Learning outcomes presented above are verified as follows:

empty

Programme content

Terminology, structural systems of bridges, piers, bracing, forms of beam bridges, methods of static analysis of beam bridges

Teaching methods

Lecture: multimedia presentation supported by content given on the blackboard

Project: completion of a task given by the lecturer

Bibliography

empty

Breakdown of average student's workload

	Hours	ECTS
Total workload	50	2,00
Classes requiring direct contact with the teacher	30	1,00
Student's own work (literature studies, preparation for laboratory classes/ tutorials, preparation for tests/exam, project preparation)	20	1,00