COURSE DESCRIPTION CARD - SYLLABUS

Course name
Fundamentals of designing processes for the production of nanomaterials [S2IMat1-Nanomat>PPPW]

Course

Field of study
Materials Engineering

Year/Semester
2/3

Area of study (specialization)
Nanomaterials

Profile of study
general academic

Level of study
second-cycle

Course offered in
Polish

Form of study
full-time

Requirements
elective

Number of hours

Lecture
15

Laboratory classes
15

Other
0

Tutorials
0

Projects/seminars
0

Number of credit points

2,00

Coordinators

dr hab. inż. Grzegorz Adamek
grzegorz.adamek@put.poznan.pl

Lecturers

Prerequisites

none

Course objective

none

Course-related learning outcomes

none

Methods for verifying learning outcomes and assessment criteria

Learning outcomes presented above are verified as follows:

none

Programme content

Possibilities of designing the properties of nanomaterials - numerical methods of calculating phenomena

occurring in solids: nanomaterials/nanocomposites: magnetic, reversible materials hydrogen absorbing, biomaterials. Methods of producing nanomaterials.

Course topics

Technologies for producing nanomaterials
technology design
properties of nanomaterials

Teaching methods

none

Bibliography

none

Breakdown of average student's workload

	Hours	ECTS
Total workload	0	0,00
Classes requiring direct contact with the teacher	0	0,00
Student's own work (literature studies, preparation for laboratory classes/ tutorials, preparation for tests/exam, project preparation)	0	0,00