



## COURSE DESCRIPTION CARD - SYLLABUS

Course name

Dyploma seminar [S2IMat1-Nanomat>SD1]

### Course

Field of study

Materials Engineering

Year/Semester

1/2

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

compulsory

### Number of hours

Lecture

0

Laboratory classes

0

Other

0

Tutorials

0

Projects/seminars

15

### Number of credit points

8,00

### Coordinators

prof. dr hab. inż. Jarosław Jakubowicz  
jaroslaw.jakubowicz@put.poznan.pl

### Lecturers

### Prerequisites

The student has general knowledge covering key material science topics. The student has the skills of logical thinking, experiment planning, methodologies and methodologies for solving tasks. He knows the role of technology and engineering in the development of the country.

### Course objective

Ongoing supervision of the state of progress of the thesis. Exchange of opinions and evaluations on the projects carried out in the framework of the thesis. Develop the ability to present the results of your own work. Shaping teamwork skills in students.

### Course-related learning outcomes

Knowledge:

1. he knows and understands the basic concepts and principles of copyright protection. - [k\_w14]

Skills:

1. he can plan and conduct experiments, computer simulations, conduct research and experiments. sub digests interpret the results obtained and draw conclusions - [k\_u08, k\_u09, k\_u10, k\_u12]

2. can obtain information from various sources - [k\_u01]
3. can prepare in polish and well-documented technical study and give a presentation - [k\_u03]

Social competences:

1. understands the need for lifelong learning; can inspire and organize the learning process of others - [k\_k01]
2. can set priorities for a specific task - [k\_k04]

### Methods for verifying learning outcomes and assessment criteria

Learning outcomes presented above are verified as follows:

Learning outcomes presented above are verified as follows:

Advancement on the basis of presentation of topics related to the subject of the thesis in the field of: review of literature, patents, assumptions, objectives, methods of solving the problem.

### Programme content

Familiarize yourself with the requirements of master's thesis and the course of the process of preparing and defending the work, as well as the course and requirements for the diploma exam. An overview of the knowledge acquired during the course of studies . Establishment and discussion of the subjects of the thesis. Methodology for the implementation of the state of the art review and patents in the field of the prepared thesis.

### Course topics

1. Presentation of requirements for the diploma thesis
2. Presentation of the diploma exam requirements
3. Discussion of exam issues
4. Description and presentation of exam topics by students
5. Presentation of the assumptions of the diploma thesis in the field of literature review
6. Presentation of research methodology and discussion of research results for the diploma thesis

### Teaching methods

Seminar, consultation of ongoing projects, workshops – discussions on presented diploma projects.

### Bibliography

Basic

<https://www.alberta.ca/writing-diploma-exams.aspx>

<https://www.kateandrewshighschool.com/download/3941>

<https://www.conted.ox.ac.uk/about/undergraduate-diploma-in-creative-writing>

Additional

1. Affeltowicz J., Ogólne podstawy pisania technicznych prac dyplomowych : pomocnicze materiały dydaktyczne, Wyd. Politechnika Gdańska, Gdańsk, 1980.
2. Żółtowski B., Seminarium dyplomowe: zasady pisania prac dyplomowych, Wyd. Akademia Techniczno-Rolnicza w Bydgoszczy, Bydgoszcz, 1997.
3. Opoka E., Uwagi o pisaniu i redagowaniu prac dyplomowych na studiach technicznych, Wyd. Politechnika Śląska Gliwice, 1996.

### Breakdown of average student's workload

	Hours	ECTS
Total workload	225	8,00
Classes requiring direct contact with the teacher	45	2,00
Student's own work (literature studies, preparation for laboratory classes/ tutorials, preparation for tests/exam, project preparation)	160	5,00