COURSE DESCRIPTION CARD - SYLLABUS

Course name
Graduation seminar

Course

Field of study
Materials Engineering

Year/Semester
3/6

Area of study (specialization)

Profile of study
general academic

Level of study
First-cycle studies

Course offered in
polish

Form of study
full-time

Requirements
compulsory

Number of hours

Lecture

Laboratory classes

Other (e.g. online)

Tutorials
15

Projects/seminars

Number of credit points

3

Lecturers

Responsible for the course/lecturer:
prof. dr hab.inż.Michał Kulka

email: michal.kulka@put.poznan.pl

tel. 61 665 35 75

Faculty of Materials Engineering and Technical Physics

Piotrowo 3 Street, 60-965 Poznań

Responsible for the course/lecturer:

Prerequisites

Knowledge: detailed knowledge of materials science. Skills: logical thinking, planning of the experiment, the selection of methodology of solving tasks. Social competencies: knowledge of the role of technology and engineering in the development of the country.

Course objective

Supervision of the progress of graduation paper. Exchange of the opinion and evaluations about projects carried out as part of the graduation work. Developing the ability of presenting the results of own work.

Course-related learning outcomes

Knowledge

1. Student knows and understands the basic concepts and principles of the protection of industrial property and copyright law. (T1A_W08, T1A_W10, InzA_W03, InzA_W04) K_W19

Skills

1. Student can obtain information concerning materials engineering from literature, databases and other properly selected sources (also in English) [K_U01].

2. Student is able to plan and carry out experiments [K_U08].

3. Student is able to prepare and present an oral presentation concerning the detailed issues of materials engineering [K_U04].

Social competences

1. Student understands the need of the learning by the whole life; can inspire and organize the learning of others [K_K01].

2. Student is able to determine the priorities for implementation of the specified by yourself or other tasks [K_K04].

Methods for verifying learning outcomes and assessment criteria

Learning outcomes presented above are verified as follows:

Ranking on the basis of a presentation of issues related to the thesis theme: review of the literature, patents, assumptions, objectives, methods of solution of the problem set.

Programme content

Acquainting with put requirements for engineering papers and with the course of the process of preparing the work and her defence and with the course and the requirements concerning the final examination. Inspection of the knowledge acquired in the course of studies. Establishing and discussing subjects of theses. Methodology of carrying out the review of the state of the technique and patents in the prepared thesis.

Teaching methods

Seminar, consultations on ongoing projects, workshops-discussions on presented diploma projects.

Bibliography

Basic

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.

Additional

1. Dobre obyczaje w nauce. Zbiór zasad i wytycznych (wyd. 3), Wyd. PAN Warszawa, 2001.

Breakdown of average student's workload

	Hours	ECTS
Total workload	45	3,0
Classes requiring direct contact with the teacher	15	1,0
Student's own work (literature studies, preparation for laboratory classes/tutorials, preparation for tests/exam, project preparation) [1]	30	2,0

[1] delete or add other activities as appropriate