COURSE DESCRIPTION CARD - SYLLABUS

Course name
Internship

Course

Field of study
Material 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

Projects/seminars

Number of credit points

4

Lecturers

Responsible for the course/lecturer:
Dr eng. Wojciech Gęstwa

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phone : 61 665 35 73

Faculty of Materials Engineering and Technical Physics

Piotrowo St 3, 60-965 Poznań

phone : 061 665 32 00

Responsible for the course/lecturer:

Prerequisites

The fundamentals of knowledge with range of the materials engineering. The logical thinking, use of the information obtained from the library and the Internet. The understanding needs for learning and acquiring new knowledge.

Course objective

The introduction with practical utilization of knowledge connected with material engineering by industrial and research institutions.

Course-related learning outcomes

Knowledge

1. The student should gain basic knowledge from the range of utilization of engineering projecting, describe and apply letting processes and the systems of exploitation, reliability and safeties as well as the elements of the technical diagnostics of machines connected with the exploational proprieties of materials - [K_W05; K_W06]

2. The student should gain over basic knowledge about the range of utilization of material engineering and material technologies in productive or service institutions. - [K_W14; K_W15]

3. The student should recognize social, economic, legal and different the extra-technical conditioning of the engineering activity. - [K_W16; K_W17]

4. The student should describe the management, in this management the quality and the leadership of the economic activity. - [K_W18; K_W19]

Skills

1. The student is able to propose current and new processes from the range of material engineering in intent obtainment of the suitable proprieties of mechanical materials. - [K_U02; K_U07]

2. The student should know use current and new techniques in technological processes applied in material engineering. - [K_U12; K_U14]

3. The student should be able to estimate usefulness routine methods and tools to solve simple engineering problems about the practical character, characteristic for material engineering and to choose and apply proper methods and tools. - [K_U16; K_U18; K_U21]

Social competences

1. The student can cooperate in group. - [K_K02; K_K03]

2. The student is aware of the role of modernization and amendment of industrial and research processes in modern economy and society development. - [K_K03; K_K05]

3. The student is capable of understanding of the aspects and effects extra technical of engineering activity, at these the influence it on environment and connected with the responsibility for take a decision. - [K_K05; K_K07]

Methods for verifying learning outcomes and assessment criteria

Learning outcomes presented above are verified as follows:

The student gets credits on the basis of the complete document with signature person in accordance with The Regulations of organization students practice falling under studies program on Faculty of Materials Engineering and Technical Physics.

Programme content

The student practice realized in accordance with program practice, which established with promotor of masters' and engineering thesis.

Teaching methods

Bibliography

Basic

1. The firm gives the student the literature in the field of subject matter connected with: engineering materials, management and operations of enterprises as well as the industrial safety during works, which realizes the students practice.

Additional

Breakdown of average student's workload

	Hours	ECTS
Total workload	160	4,0
Classes requiring direct contact with the teacher	2	
Student's own work (literature studies, preparation for laboratory classes/tutorials, preparation for tests/exam, project preparation) [1]	160	4,0

[1] delete or add other activities as appropriate