COURSE DESCRIPTION CARD - SYLLABUS

Course name
Internship [S1MiTPM1>Prakt]

Course

Field of study
Materials and technologies for automotive industry

Year/Semester
3/6

Area of study (specialization)
–

Profile of study
general academic

Level of study
first-cycle

Course offered in
Polish

Form of study
full-time

Requirements
compulsory

Number of hours

Lecture
0

Laboratory classes
0

Other
160

Tutorials
0

Projects/seminars
0

Number of credit points

6,00

Coordinators

dr inż. Wojciech Gęstwa
wojciech.gestwa@put.poznan.pl

Lecturers

Prerequisites

The fundamentals of knowledge with range of the materials engineering for motorization. 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 with automotive industry.

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 in automotive industry.
2. The student should gain over basic knowledge about the range of utilization of material engineering and material technologies in productive or service institutions of automotive industry.

3. The student should recognize social, economic, legal and different the extra-technical conditioning of the engineering activity in automotive industry.
4. The student should describe the management, in this management the quality and the leadership of the economic activity.

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 in automotive industry.
2. The student should know use current and new techniques in technological processes applied in material engineering for motorization.
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 for matorization and to choose and apply proper methods and tools.

Social competences:
1. The student can cooperate in group.
2. The student is aware of the role of modernization and amendment of matorization industrial and research processes in modern economy and society development.
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.

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 as well as the firm , which realized practice.

Course topics

The structure of the company implementing health and safety practices and regulations within it. Methods of producing products and distributing them in the company. Technologies and devices used in the production of products as part of the internship. Control and logistics managed by the person implementing the internship.

Teaching methods

performing exercises, plan exercises, team work, discussion, workshop

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	162	6,00
Classes requiring direct contact with the teacher	2	0,00
Student's own work (literature studies, preparation for laboratory classes/ tutorials, preparation for tests/exam, project preparation)	160	6,00