



COURSE DESCRIPTION CARD - SYLLABUS

Course name

Course

Field of study

Year/Semester

Materials engineering

1/1

Area of study (specialization)

Profile of study

general academic

Level of study

Course offered in

Second-cycle studies

polish

Form of study

Requirements

full-time

compulsory

Number of hours

Lecture

Laboratory classes

Other (e.g. online)

15

Tutorials

Projects/seminars

Number of credit points

2

Lecturers

Responsible for the course/lecturer:

Responsible for the course/lecturer:

dr inż. Eugeniusz NEUMANN

Wydział Inżynierii Mechanicznej

ul. Piotrowo 3, 60-965 Poznań

Prerequisites

General information in the field of natural sciences and humanities. The student has the ability to perceive, associate and interpret phenomena occurring while working in a team. Understanding the need to learn and acquire new knowledge

Course objective

To acquaint students with the basic problems of production and personnel management.

Course-related learning outcomes

Knowledge

Has basic knowledge of managing and running a business. Knows the methods and methods of conducting production and service activities, production planning and control as well as service implementation. Knows methods and tools for personnel management; has knowledge of modern methods of production management. [K_W013]



Skills

Has the ability to manage personnel as well as the production process and services. [K_U014]

Social competences

Student Can think and act in a creative and entrepreneurial manner. [K_K06]

Methods for verifying learning outcomes and assessment criteria

Learning outcomes presented above are verified as follows:

Zaliczenie 2 częściowe: pisemne w formie testu, rozwiązanie zadania problemowego (proste studium przypadku).

Programme content

National economy, globalization, economic system. Cash flow in the economic system. The concept of management, administration and governance. Enterprise (production system). Resources and their transformation. Processes in the production system. Principles of management, productivity index. The environment of the company and its relations with customers. The role of marketing in the organization. Planning (types of plans), forecasting methods, forecast errors. Budget concept, budget preparation. Basic information on the operating costs of the organization. Quantitative decision making tools. Designing the organizational structure of the company. The essence of management, the role of a manager. Motivating system. Creativity and personnel specialization. Outline of contemporary management concepts (reengineering, lean production, benchmarking, outsourcing).

Teaching methods

Lecture: multimedia presentation, presentation illustrated with examples given on the board.

Bibliography

Basic

1. Edward Pająk Zarządzanie produkcją. Produkt, technologia, organizacja WNP Warszawa 2006
2. Kazimierz Pasternak Zarys zarządzania produkcją PWE Warszawa 2005
3. Uzupełniająca:
4. Praca zbiorowa Kompendium wiedzy o gospodarce PWN Warszawa 1997
5. Praca zbiorowa Zarządzanie organizacjami Wyd. Dom Organizatora Toruń 2002

Additional



Breakdown of average student's workload

| | Hours | ECTS |
|---|-------|------|
| Total workload | 50 | 2,0 |
| Classes requiring direct contact with the teacher | 20 | 1,0 |
| Student's own work (literature studies, preparation for laboratory classes/tutorials, preparation for tests/exam, project preparation) ¹ | | |

¹ delete or add other activities as appropriate