POZNAN UNIVERSITY OF TECHNOLOGY

EUROPEAN CREDIT TRANSFER AND ACCUMULATION SYSTEM (ECTS)

COURSE DESCRIPTION CARD - SYLLABUS

Course name
Project management [S2MiBP1E-PE>PM]

Course

Field of study Mechanical and Automotive Engineering	**Year/Semester** 2/3
Area of study (specialization) Product Engineering	**Profile of study** general academic
Level of study second-cycle	**Course offered in** english
Form of study full-time	**Requirements** compulsory

Number of hours

Lecture 15	**Laboratory classes** 30	**Other (e.g. online)** 0
Tutorials 0	**Projects/seminars** 0	

Number of credit points

3,00

Coordinators	**Lecturers**
prof. dr hab. inż. Zbigniew Kłos zbigniew.klos@put.poznan.pl	

Prerequisites

KNOWLEDGE: Student has fundamental knowledge about management of organizations and fundamental knowledge on quality and innovation development SKILLS: Student possesses ability of perceiving and associating of phenomena occurring in management of market oriented organizations and is able to interpret them, draw practical conclusions and to formulate opinions SOCIAL COMPTENCES: Student has the awareness of importance and understands the effects of undertaking innovative, market oriented, activities

Course objective

Transmitting to the students the knowledge of fundamental issues connected with understanding of the specific activities to be developed to manage the projects in different organizations.

Course-related learning outcomes

Knowledge:
Has a basic knowledge of quality management systems.
Has extended knowledge of the standards for working machines in the field of methods of calculating and testing machines, safety, including road safety, environmental protection as well as mechanical and

electrical interface.
Has in-depth knowledge of entrepreneurship and business economics.

Skills:
Can use the international language in contacts with specialists in his field of study at the B2 + level.
Can write a technical and scientific study in a foreign language on the basis of literature and other sources of information, including internet sources, and present an oral presentation.
He is able to independently plan and implement his own learning throughout life and direct others in this regard.

Social competences:
It is ready to fulfill social obligations, inspire and organize activities for the benefit of the social environment.
Is willing to think and act in an entrepreneurial manner.
Is ready to fulfill professional roles responsibly, taking into account changing social needs, including:
- developing the professional achievements,
- maintaining the ethos of the profession,
- observing and developing the rules of professional ethics and acting towards the observance of these rules.

Methods for verifying learning outcomes and assessment criteria

Learning outcomes presented above are verified as follows:

Control test, delivery of final elaboration

Programme content

Introduction into fundamental terms: project, project management, attributes of project, operational activities, project programs, project portfolio, project manager. Life cycle of project. Phases of traditional project - framework. Main goals of project and relations between them, Introduction into the management of projects. Project initiating. Project planning. Project control. Cost evaluation in project. Methods and methodologies of project management. Standards of project management. The main tools used to management of projects. Definition of project. Project risk management. Implementation of project planning. Non-traditional project management approaches.

Teaching methods

Lecture with multi-media presentation, multi-step elaboration of project

Bibliography

Basic:
1. T. Buczkowska, Project management. OW PW, Warszawa 2012
2. R.K. Wysocki, Effective project management - traditional, Agile, extreme. Wiley Publishing, San Francisco 2009

Additional:
1. D. Lock, The essential of project management, Grower Publishing Limited, Wey Court East 2007
2. T.L. Young, Successful project management. Kogan Page, London 2006

Breakdown of average student's workload

	Hours	ECTS
Total workload	75	3,00
Classes requiring direct contact with the teacher	45	1,50
Student's own work (literature studies, preparation for laboratory classes/ tutorials, preparation for tests/exam, project preparation)	30	1,50