POZNAN UNIVERSITY OF TECHNOLOGY

EUROPEAN CREDIT TRANSFER AND ACCUMULATION SYSTEM (ECTS)

pl. M. Skłodowskiej-Curie 5, 60-965 Poznań

COURSE DESCRIPTION CARD - SYLLABUS

Course name
Design and usage of information systems

Course

Field of study	Year/Semester
Management and Production Egineering	**2/3**
Area of study (specialization)	Profile of study
Computerisation in Production	**general academic**
Level of study	Course offered in
Second-cycle studies	**Polish**
Form of study	Requirements
part-time	**elective**

Number of hours

Lecture	Laboratory classes	Other (e.g. online)
10	**10**	
Tutorials	Projects/seminars	

Number of credit points

2

Lecturers

Responsible for the course/lecturer:

PhD Ewa Dostatni

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ph. +48 61 665 2731

Faculty of Mechanical Engineering

Piotrowo 3 60-965 Poznań

Responsible for the course/lecturer:

Prerequisites

It has knowledge of the construction and operation of a computer. It can operate a computer, know how to use the basic tools of MS Office to support engineering activities. Logical thinking, the used of information obtained from libraries and the Internet, ability of using computer, knowledge how to distinguish strategic, tactical and operational decisions. It has a sense of responsibility for their own work, to understand the need to learn and acquire new knowledge.

Course objective

Recognition of theoretical and practical problems related to IT project management.

Course-related learning outcomes

Knowledge

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Person has knowledge of the assumptions of the IT project management methodology.It knows foundations of Project Management Institute and Prince 2 method. It has knowledge about the possibilities of using IT tools for IT project management.

Skills

Person can choose a method of project management depending on the area of company which is computerised.Can develop a project card for an IT project. Knows how to use an IT tool into project management.

Social competences

It is aware of the role of computerization in the activities of engineering. Can independently develop knowledge concerning. Knows how to use IT tools in project management [K_K10, K_K12]

Methods for verifying learning outcomes and assessment criteria

Learning outcomes presented above are verified as follows:

Intermediate rating:

Laboratory: on the basis of an assessment of the progress of laboratory tasks.

Lecture: based on answers to questions about the material discussed in previous lectures.

Summary rating:

Laboratory: credit based on tasks performer during laboratory (credit on computer workstation) and the implementation of the report of the exercises. The student must obtain a positive assessment of the executed report.

Lecture: credit based on test consisting of open questions in a scale 0-1. Test is passed after obtaining at least 55% of all points. Discussion of the test results. Test is carried out at the end of the semester.

Programme content

Lecture:

Basic information on the IT project management methodology.

Overview of Project Management Institute and Prince 2 methods.

Measures used in IT project.

Management of project scope.

Specify budget and project resources.

Create and setup a project schedule.

Monitoring work progres.

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Tools for project management.

Risk management in IT project.

Laboratory:

Implementation of the project card and development of the implementation assumptions of the information system using the MS Project software.

Teaching methods

Lecture: multimedia presentation illustrated with examples given on a board, problem solving.

Laboratory: project implementation, work on computer workstations.

Bibliography

Basic

1. M. Flasiński, Zarządzanie projektami informatycznymi, PWN, 2006

2. S. Berkun, Sztuka zarządzania projektami, Helion, 2006

3. J. Phillips, Zarządzanie projektami IT, Helion, 2004

Additional

1. M. Cotterell, B. Hughes, Software Project Management, Thomson Publishing, 1995

2. A Guide to the Project Management Body of Knowledge (PMBoK), Project Management Institute, 2004 [wyd. polskie: Kompendium wiedzy o zarządzaniu projektami, MT&DC]

3. J. Górski (red.), Inżynieria oprogramowania, wyd. II, MIKOM, 2000

4. St. Szejko (red.), Metody wytwarzania oprogramowania, MIKOM, 2002

5. Z. Szyjewski, Metodyki zarządzania projektami informatycznymi, Placet, 2004

Breakdown of average student's workload

	Hours	ECTS
Total workload	50	2,0
Classes requiring direct contact with the teacher	20	0,5
Student's own work (literature studies, preparation for laboratory classes, preparation for exam) [1]	30	1,5

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[1] delete or add other activities as appropriate