Course description

Department/Unit /	KI / 0137			**Academic Year**	2012/2013
Title	Project Management			**Type of completion**	Pre-Exam Credit
Accredited/Credits	Yes, 2 Cred.			**Type of completion**	Combined
Number of hours	Tutorial 2 [HOD/TYD]				
Occ/max	Status A	Status B	Status C	**Course credit prior to**	NO
Summer semester	0 / -	0 / -	0 / -	**Counted into average**	NO
Winter semester	0 / -	0 / -	0 / -	**Min. (B+C) students**	not determined
Timetable	No			**Repeated registration**	NO
Language of instruction	Czech, English			**Semester taught**	Winter, Summer
Optional course	Yes			**Internship duration**	0
Evaluation scale	S|N				
No. of hours of on-premise					
Auto acc. of credit	No				
Periodicity	K				
Substituted course	None				
Preclusive courses	N/A				
Prerequisite courses	N/A				
Informally recommended courses	N/A				
Courses depending on this Course	N/A				

Course objectives:

Requirements on student

Credit will be awarded for 80% of the active participation in the seminar, 100% of the exercise tasks (topics by arrangement).

Content

The subject introduces the trends in project management in the last 10 years to the present. Attention is given to the development standards of project management, especially overview knowledge PMBOK standards and IPMA. Students will learn the basic terminology of project management including the strategic orientation and networking methods used in different stages of the project IKS.

1. Introduction - Basic concepts and division.
2. Characteristics of the project - the principles, objectives, properties and characteristics of the project.
3. Overview of knowledge and quality standards of project management - the importance of determining comparison.
4. PMBOK - an overview of knowledge areas and process groups, project cycle, IPMA Competence Baseline - competence, groups, areas, the certification process.
5. Practical tests - summary of concepts and knowledge gained, setting examples, examples of the results.
6. Selected project management processes, and group interaction processes, stages of a project management, organizational structure of the project.
7. Strategic situation analysis projects - meaning, structure, analysis, methods.
8. SWOT analysis method and logical framework.
9. Network methods in the planning phase of the project: CPM and PERT method, Gantt charts.
10. Practical solutions and methods of analysis, scenario building, resource planning, finding reserves.
11. Software support for project management - the establishment of the project, defining the activities, relationships, attributes the project.
12. MS Project - basic orientation, entering data, searching for the critical path.

13.Separate final work - entering simple project, preparation of analysis, estimation of resource constraints, the calculation of the critical path, project evaluation.
14.Summary of the subject, evaluate assignments, credit.

Prerequisites - other information about course preconditions

Teaching in English is meant only for erasmus and foreign students. In the case of a small number of students is teaching in a form of individual consultations.

Competences acquired

Fields of study

Guarantors and lecturers

Literature

Teaching methods

Assessment methods

Course is included in study programmes:

Study Programme	Type of	Form of	Branch	Stage	St. plan v.	Year	Block	Status	R.year	R.
Applied Informatics	Bachelor	Full-time	Information Systems	1	A12	2012	Volitelné předměty	B		
Applied Informatics	Bachelor	Full-time	Information Systems	1	A8	2012	Volitelné předměty	B		
Applied Informatics	Bachelor	Full-time	Information Systems	1	A11	2012	Volitelné předměty	B		
Geography	Bachelor	Full-time	Information Sciences (double subject)	1	A10	2012	Volitelné předměty	B		
Geography	Bachelor	Full-time	Information Sciences (double subject)	1	A6	2012	Volitelné předměty	B		
Chemistry	Bachelor	Full-time	Informatics	1	A6	2012	VK KI	B		
Chemistry	Bachelor	Full-time	Informatics	1	A10	2012	Volitelné předměty	B		
Chemistry	Bachelor	Full-time	Informatics Focused on Education	1	A10	2012	Volitelné předměty	B		
Informatics	Bachelor	Full-time	Informatics Focused on Education	1	A7	2012	Volitelné předměty	B		
Informatics	Bachelor	Full-time	Informatics Focused on Education	1	A10	2012	Volitelné předměty	B		
Informatics	Bachelor	Full-time	Information Sciences (double subject)	1	A10	2012	Volitelné předměty	B		
Informatics	Bachelor	Full-time	Information Sciences (double subject)	1	A8	2012	Volitelné předměty	B		
Mathematics	Bachelor	Full-time	Informatics focused on Education	1	A7	2012	Volitelné předměty	B		
Mathematics	Bachelor	Full-time	Informatics focused on Education	1	A10	2012	Volitelné předměty	B		
Mathematics	Bachelor	Full-time	Information Sciences (double subject)	1	A6	2012	Volitelné předměty	B		

Study Programme	Type of	Form of	Branch	Stage	St. plan v.	Year	Block	Status	R.year	R.
Mathematics	Bachelor	Full-time	Information Sciences (double subject)	1	A10	2012	Volitelné předměty	B		
Physics	Bachelor	Full-time	Informatics	1	A10	2012	Volitelné předměty	B		
Physics	Bachelor	Full-time	Informatics	1	A6	2012	VK KI	B		
Physics	Bachelor	Full-time	Informatics focused on Education	1	A10	2012	Volitelné předměty	B		