

4IT414 ŘÍZENÍ PROJEKTŮ IS/ICT

Course code	4IT414
Course title in language of instruction	Řízení projektů IS/ICT
Course title in Czech	Řízení projektů IS/ICT
Course title in English	IS/ICT Project Management
Mode of completion and number of credits	Exam ECTS (6 credits), Exam (4 credits) One ECTS credit corresponds to 26 hours of workload for an average student.
Type of course	Daily attendance: 2/2; Distance form: 2/2 (hours of lectures per week / hours of seminars per week)
Language of instruction	Czech
Level of course and year of study	master: 1
Semester	Sklad FIS – FIS
Name of lecturer	Ing. Dušan Chlapek, Ph.D. (supervisor)
Prerequisites	none

Aims of the course

Provide introduction to the principles and concepts of project management in general and IS/ICT project in particular. Apprise of fundamentals and to obtain practical experience of standard project management methods (MMDIS, TOC, PMBOK, PRINCE2) and tools (MS Project). Provide overview of further aspects of IS/ICT project management: project management procedure, projects coordination, IS/ICT organization, role and teams specification, project planning techniques and techniques, computer-aided project management tools.

Learning outcomes and competences

Upon successful completion of this course, students will be able to prepare project, plan project, manage and control project, evaluate projects, project portfolios and programs, to use projects IS/ICT planning and managing techniques and tools. Students will be able to select project management methodology and adapt methodic into specific project conditions.

Course contents

Introduction to Project Management, IS/ICT Project Management, Project Critical Success Factors.

IS/ICT strategies and IS/ICT project setting.

Formal and Informal Project Management, Organizational Structures, Organizing and Staffing the Project Office and Team, Defining the Project Manager's Role, Defining the Project Executive's Role, Defining Project Coordinator's Role.

Team Building, Leadership in a Project Environment, Project Communications, Project Review Meetings,

Project Life Cycles, Project Management Methodologies, Project Management Control and Business Procedures,

Project Definition, Project Planning, Work Breakdown Structure, Procedural Documentation, Time Management, Time Scheduling, Estimating Activity Time, PERT, CPM Planning, TOC and Critical Chain.

Project Classification.

Project Portfolio Management

Project Management Software, Software Classification.

Risk Management, Definition of Risk, Risk Planning, Risk Analysis, Risk Handling,

Project Management Maturity Model, Project Management Methodologies (PMBOK, PRINCE2, COBIT, ISO standardy, IPMA standardy, MMDIS RIP, CMMI, Cobit, Val IT, ITIL)

Knowledge management in project environment.

Methodology implementation and administration.

Teaching methods and student workload

Type of teaching method	Hours of workload	
	daily attendance	distance form
Participation in lectures	26	0
Preparation for lectures	13	0
Attendance at seminars/workshops/tutorials	26	6
Preparation for seminars/workshops/tutorials	26	30
Preparation of term paper	26	80
Preparation of presentation	13	0
Preparation for final oral exam	26	40
Total	156	156

Assessment methods

Requirement type	Weight	
	daily attendance	distance form
Final oral exam	40 %	40 %
Project charter (15%), Project plan (20%), Project simulation (5%), Final project report (10%), Knowledge object (10%)	60 %	60 %
Total	100 %	100 %
Special requirements and details: none		

Recommended reading

Type*	Author	Title	Published in	Publisher	Year	ISBN
R	CHLAPEK, D. – CHOCHOLATÝ, D.	Řízení projektů IS/ICT : (pracovní sešity k přednáškám a cvičením)	Praha	Oeconomica	2004	80-245-0808-7
R	VOŘÍŠEK, J.	Strategické řízení informačního systému a systémová integrace	Praha	Management Press	1997	80-85943-40-9
R	ŘEPA, V.	Analýza a návrh informačních systémů	Praha	Ekopress	1999	80-86119-13-0
R	SCHWALBE, K.	Řízení projektů v IT	Brno	Computer Press	2007	978-80-251-1526-8
A	ROSENAU, M. D.	Řízení projektů : příprava a plánování, zahájení, výběr lidí a jejich řízení, kontrola a změny, vyhodnocení a ukončení	Praha	Computer Press	2000	80-7226-218-1
A	HAROLD KERZNER, P.	Project Management: a systems approach to planning, scheduling, and controlling			2001	0471393428

* R – required reading, A – additional reading