

STUDY MODULE DESCRIPTION FORM		
Name of the module/subject IT Systems Transition		Code 1011101151011164056
Field of study Engineering Management - Full-time studies -	Profile of study (general academic, practical) (brak)	Year /Semester 3 / 5
Elective path/specialty -	Subject offered in: English	Course (compulsory, elective) elective
Cycle of study: First-cycle studies	Form of study (full-time, part-time) full-time	
No. of hours Lecture: 15 Classes: 15 Laboratory: - Project/seminars: -		No. of credits 4
Status of the course in the study program (Basic, major, other) (brak)		(university-wide, from another field) (brak)
Education areas and fields of science and art study effects leading to the acquisition of engineering qualifications		ECTS distribution (number and %) 4 100%
Responsible for subject / lecturer: dr inż. Krzysztof Hankiewicz email: krzysztof.hankiewicz@put.poznan.pl tel. 616653408 Faculty of Engineering Management ul. Strzelecka 11 60-965 Poznań		
Prerequisites in terms of knowledge, skills and social competencies:		
1	Knowledge	Basic knowledge from the content from former lectures of the subject Computer science
2	Skills	Ability to use a microcomputer and knowledge of basic computer applications enclosed in the program of education in secondary school
3	Social competencies	Take active part in discussion on determined topics
Assumptions and objectives of the course: The subject is aimed at presenting students methods of implementation of computer systems into management		
Study outcomes and reference to the educational results for a field of study		
Knowledge:		
1. The student has basic knowledge on the life cycle of industrial products - [K02-InzA_W01] 2. The student has basic knowledge on the life cycle of social and technical systems - [K03-InzA_W01] 3. The student is able to make a preliminary economic analysis of realized engineer tasks - [K01-InzA_U4]		
Skills:		
1. The student is able to plan and realize experiments, including measurements and computer simulations. He knows how to interpret obtained results and draw conclusions - [K01-InzA_U1] 2. The student is able to notice system aspects relating to social, technical, organizational and economical and non-technical spheres in the process of formulating and solving engineer tasks - [K01-InzA_U3]		
Social competencies:		
1. Student is aware of the importance and understands non-technical aspects and results of the engineer activity, including its impact on the environment and he realizes the responsibility related to decisions he makes - [K01-InzA_K1] 2. The student is aware that the process of creating products that would fulfill needs of their users, requires a system approach, with reference to technical, economical, marketing, legal, organizational and financial aspects - [K01-InzA_K2]		
Assessment methods of study outcomes		

Forming assessment: Lectures: assessment of the active participation in classes Classes: assessment based on cactive participation in classes Final assessment: Lectures: test in written form Classes: test in written form		
Course description		
The program of the course encloses following topics: implementation planning, construction of the schedule of the implementation, managing costs, time, budgets, risks and staff, planning the verification and acceptance of the system, testing modules, integrated testing, managing the configuration of changes, examples of methods of integrated systems implementation: PRINCE2, R3 from SAP, the use of implementation software and UML implementation dialogues in the process of implementing computer systems, customization of the software, service of the software and the architectonic evolution		
Basic bibliography:		
1. Rumbaugh J., Jacobson I., Booch G., The Unified Modeling Language Reference Manual, Second Edition, Addison-Wesley 2004 2. Sommerville, I., Software engineering, Ninth Edition, Addison-Wesley 2011		
Additional bibliography:		
1. Budgen D., Software Design (2nd Edition). Harlow UK, Addison-Wesley 2003 2. Stahl T., Voelter M., Model-Driven Software Development: Technology, Engineering, Management. New York: John Wiley & Sons 2006		
Result of average student's workload		
Activity	Time (working hours)	
1. Participation in lectures	15	
2. Participation in exercises	15	
3. Preparation for exercises	30	
4. Preparation to the test	20	
5. Consultation	20	
Student's workload		
Source of workload	hours	ECTS
Total workload	100	4
Contact hours	50	2
Practical activities	45	2