

**DOCTORAL SCHOOL OF WROCLAW UNIVERSITY OF SCIENCE AND  
TECHNOLOGY**

**SUPERVISOR/TEAM/ DECLARING/CONDUCTING COURSE:** **Olgierd Unold**  
**DEPARTMENT:** Faculty of Electronics W4  
**SCIENTIFIC DISCIPLINE:** Technical information and telecommunications

**COURSE CARD**

**Course name in Polish:** Kierowanie projektem programistycznym

**Course name in English:** Software Project Management

**Course language Polish**

**University-wide general course type\*:**

**The course is intended for all PhD students: YES / NO**

**1) BASIC COURSE**

~~**2) SPECIALIST COURSE**~~

~~**3) SEMINAR**~~

~~**4) HUMANISTIC COURSE**~~

~~**5) LANGUAGE**~~

**Subject code:** ITQ004502W

\* delete as applicable

	Lecture	Foreign language course	Seminar	Mixed forms
Number of hours of organized classes in university (ZZU)	30			
Grading	Exam	Exam	Oral presentation	Exam, inspection, evaluation classes
Number of ECTS points	0			

**PREREQUISITES RELATING TO KNOWLEDGE, SKILLS AND OTHER COMPETENCES**

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**COURSE OBJECTIVES**

C1 Acquisition of fundamental knowledge in software project management

C2 Acquisition of fundamental knowledge in software testing, verification and validation

**PROGRAM CONTENTS**

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<b>Form of classes – lecture (Lec)</b>		Number of hours
Lec1	Introduction; basic concepts; project and product	2
Lec2	The essential steps in the project management; life cycle phases of software system	2
Lec3	Systems development life-cycles	2
Lec4	Models of management structures	2
Lec5	Steering Committee; designing the organizational structure of the project team	2
Lec 6, Lec 7	Personality types, principles of building an effective team, problems in teams (according to Maslow model)	4
Lec 8	Stages of requirements engineering, Kano model	4
Lec 9	Methods of estimation, quantification of risk	2
Lec10	Verification and validation	2
Lec 11	Software testing	2
Lec 12	System safety / reliability requirements (FTA)	2
Lec 13	CMMI and ISO models	2
Lec 14	Project management information system	1
Lec 15	Written exam	1
Total hours:		<b>30</b>

<b>Form of classes – foreign language course (Lng)</b>		Number of hours
Lng1		
Lng2		
Lng3		
..		
Total hours:		

<b>Form of classes – seminar (Sem)</b>		Number of hours
Sem1		
Sem2		
Sem3		
...		
Total hours:		

<b>Form of classes – mixed forms (mix)</b>		Number of hours
Mix1		
Mix2		
Mix3		
...		
Total hours		

<b>TEACHING TOOLS USED</b>
N1. Traditional lectures using multimedia presentations N2. Consultation N3. Own work

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<b>ACHIEVED SUBJECT LEARNING OUTCOMES</b>		
Type of learning outcome	Code of learning outcome	Assessment of learning outcome
Knowledge	P8S_WG	Exam
Skills	P8S_UW	Exam

<b>PRIMARY AND SECONDARY LITERATURE</b>
<p><b><u>PRIMARY LITERATURE:</u></b></p> <p>[1] J. Górski, Inżynieria oprogramowania w projekcie informatycznym, Mikom, Warszawa, 1999 [2] Jaskiewicz, Inżynieria oprogramowania, Helion, Warszawa, 1997 [3] Kerzner H., Project management, Van Nostrand Reinhold Company Inc., New York, 1984 [4] LBMS Project Management - Materiały szkoleniowe firmy LBMS [5] S.Wrycza, Projektowanie systemów informatycznych, Wyd. Uniw. Gdańskiego, Gdańsk, 1997 [6] J. Davidson, Kierowanie projektem. Praktyczny poradnik dla tych, którzy nie lubią tracić czasu, Wyd. Liber, Warszawa, 2002 [7] T. Byzia, Zarządzanie projektami informatycznymi, Computerworld, 1998 [8] K. Frączkowski, Zarządzanie projektem programistycznym, Oficyna Wydawnicza Politechniki Wrocławskiej, Wrocław, 2003 [9] M. Flasiński, Zarządzanie projektami informatycznymi, PWN, Warszawa, 2006 [10] S.Snedaker, Zarządzanie projektami IT w małym palcu, Helion, Warszawa, 2007 [11] C.A. Campbell, The One-Page Project Manager for IT Projects, Wiley, John Wiley &amp; Sons, Inc., Hoboken, New Jersey, 2008 [12] M.B.Bender, A Manager's Guide to Project Management. Learn How to Apply Best Practices, Pearson Education, Inc., Upper Saddle River, New Jersey, 2010</p> <p><b><u>SECONDARY LITERATURE:</u></b></p>
<b>SUBJECT SUPERVISOR (NAME AND SURNAME, E-MAIL ADDRESS)</b>
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