

Faculty of Management						
Study programme:	Management and Production Engineering		Degree level: Bachelor's degree full-time programme:			
Specialization			Diploma path: -			
Module name:	Information technology in Logistics					
Module type:	obligatory	Semester: 5	ECTS 2	Module ID: LS05520		
No. of hrs in semester:	L - 15 C - LC- P- SW- 30 S-					
Prerequisites:	Complete with prerequisites or "-"		Information technology, management basics			
Teaching methods:	lecture, class, laboratory class, project, seminar, specialization workshop		Assessment:	Evaluation must be relevant to the intended learning outcomes		
			lecture - written test; specialization workshop - too tests			
Aims and objectives:	Mastering the students a comprehensive and modern knowledge of computer applications in logistics and manufacturing of practical management and the ability to apply this knowledge in practice at different levels of management					
Module content:	Information technology and management. Fundamentals of management information systems. The basics of computers and building computer systems. Telecommunications in information systems - basic definitions, the components of telecommunications networks. Database as a basic element of information systems. The use of information systems in logistics and management - characteristics, types of integrated systems. Fundamentals of information technology business objects. Systems of trade, banking and public administration as examples of applications of information systems.					
Learning outcomes	Write min. 4, max. 8 learning outcomes in the following order: knowledge - skills - competences. Each learning outcome must be verifiable.			Relevance to the programme learning outcomes		
LO1	classifies and describes the systems used in logistics			L_W02		
LO2	indicates the trends of modern information systems			L_W02, L_W07		
LO3	defines and establishes the relationship between the company and the operation procedures reflect these elements and functions of information systems			L_U02		
LO4	able to choose the right system for a particular task			L_U07, L_K01		
LO5	gaining literacy program modules included in the system			L_U02		
LO6	able to work in a team			L_K04		
LO7						
LO8						
workload	lecture attendance			15x1h	15	
	participation in classes, laboratory classes, etc.			15x2h	30	
	preparation for classes, laboratory classes, projects, seminars, etc.			15x1h	15	
	work on projects, reports, etc.					
	participation in student-teacher sessions related to the class / seminar /			5x1h	5	
	implementation of project tasks					

student	preparation for and participation in exams/tests	15h	15
		TOTAL:	80
quantitative indicators	Student workload - activities that require direct teacher participation 15h+30h+5h+3h=53h	53	ECTS 2
	Student workload - practical skills activities 30h+15h+12h=62h	62	2
basic references:	1. Broniatowska-Rokicka A.: <i>Wstęp do informatyki gospodarczej</i> , Oficyna wydawnicza SGH, Warszawa, 2004, 2. Niedzielska E. (red.): <i>Informatyka ekonomiczna</i> , Wydawnictwo Akademii Ekonomicznej we Wrocławiu, Wrocław 2003. 3. Nowicki A. (red.): <i>Informatyka dla ekonomistów. Studium teoretyczne i praktyczne</i> . Wydawnictwo Naukowe PWN, Warszawa-Wrocław 1998, 4. Nowicki A. (red.): <i>Wstęp do systemów informacyjnych zarządzania w przedsiębiorstwie</i> . Wydawnictwo Politechniki Częstochowskiej, Częstochowa, 2005.		
supplementary references:	1. Bielecki W. T.: <i>Informatyzacja zarządzania</i> . PWE, Warszawa 2001. 2. Kolbusz E., Nowakowski.: <i>Informatyka w zarządzaniu, metody i systemy</i> . Wydawnictwo Zachodniopomorskiej Szkoły Biznesu, Szczecin 1999. 3. Sztyler J.: <i>Symfonia. Kadry i płace</i> , Helion, Gliwice 2001. 4. Curtis G.: <i>Business Information Systems: Analysis, Design and Practice</i> , Addison Welsey Publishing Company, 1995.		
learning outcomes	<i>methods of assessing learning outcomes</i>	type of class (if more than one) where the outcomes are assessed	
LO1	written test on the lecture	L	
LO2	written test on the lecture	L	
LO3	pass a written test with a lecture and specialization workshop	L, SW	
LO4	pass a written test with a lecture and specialization workshop	L, SW	
LO5	colloquia qualifying specialist workshop	SW	
LO6	discussion on the implementation of the exercise, teamwork observation	SW	
LO7			
LO8			
Department:	Katedra Informatyki Gospodarczej i Logistyki	Group instructors:	mgr inż. Zenon Barańczuk, dr inż. Katarzyna Halicka, mgr Alicja Gudanowska
Date:	17.11.2012	Coordinator:	mgr inż. Zenon Barańczuk

L - lecture C - class LC - laboratory class P-project
SW - specialization workshop S - seminar