

Subject card

Subject name and code	Electronic Management Systems, PG_00172392						
Field of study	International Economic Relations						
Date of commencement of studies	October 2025		Academic year of realisation of subject		2027/2028		
Education level	Bachelor's studies		Subject group		Obligatory subject group in the field of study		
Mode of study	full-time studies		Mode of delivery		at the university		
Year of study	3		Language of instruction		Polish		
Semester of study	5		ECTS credits		2.0		
Learning profile	academic		Assessment form				
Conducting unit							
Name and surname of lecturer (lecturers)	Subject supervisor		dr Olga Dębicka				
	Teachers						
Lesson types	Lesson type	Lecture	Tutorial	Laboratory	Project	Seminar	SUM
	Number of study hours	0.0	15.0	0.0	0.0	0.0	15
	E-learning hours included: 0.0						
Learning activity and number of study hours	Learning activity	Participation in didactic classes included in study plan		Participation in consultation hours		Self-study	SUM
	Number of study hours	15		5.0		30.0	50
Subject objectives	The purpose of the course is to introduce students to modern IT solutions in the sphere of management and the directions of development of these systems.						

Learning outcomes	Course outcome	Subject outcome	Method of verification
	[MSG3_W06] knows and understands the relations between economic entities and public institutions functioning in the national, international and intercultural realms	The student knows the basic generations of information systems supporting the work of enterprises, can characterize the basic groups of information systems. He knows the technical and organizational rules of their implementation.	[SW2] presentation/project/paper/report
	[MSG3_U06] can identify selected risks related to international operations of enterprises and assess their consequences correctly	The student proposes the application of a specific group of information systems to improve the work of a selected enterprise.	[SU3] text preparation/written work
	[MSG3_U08] uses basic methods and computer programmes as well as marketing techniques and tools to acquire and analyse data necessary in his/her professional work to diagnose economic processes and make adequate economic decisions	The student recognizes the need for particular functionalities of CRM systems to support the marketing strategies of the enterprise.	[SU2] presentation/project/paper/report
	[MSG3_K04] is ready to think and act in an entrepreneurial manner; adapts to new situations and conditions, undertakes challenges of creative thinking; is resilient to failures; can identify threats and assess the risk of their occurrence	The student correctly identifies information systems that may be applicable to a particular enterprise.	[SK1] oral statement/conversation/discussion
	[MSG3_K01] is ready to recognise the importance of knowledge in the field of economics in the process of identifying and solving economic problems and to consult experts in case of difficulties in solving them independently	Being aware of the constant development of the functionality of information systems resulting from the continuous progress in computer and communication technologies, the student understands the need for lifelong learning and deepening and supplementing the acquired knowledge and skills.	[SK1] oral statement/conversation/discussion
	[MSG3_W14] knows and understands basic terms and principles of intellectual (industrial) property protection and copyright law	Understand how intellectual property protection principles affect the development and management of electronic management systems.	[SW1] oral statement/conversation/discussion
	[MSG3_U10] can take an active part in a debate, presenting his/her own viewpoint and supporting it with argumentation based on selected theories, opinions of various authors and/or statistical data	The student is able to indicate the application of a given information system for the collection and analysis of data from a selected area of enterprise operations.	[SU3] text preparation/written work
	[MSG3_W08] knows and understands the fundamental dilemmas of contemporary civilisation, including the strategy of sustainable development and corporate social responsibility	The student is able to explain the importance and role of each group of information systems on the functioning of enterprises.	[SW2] presentation/project/paper/report
Subject contents	1. Modern business management - organization management system vs. information system, knowledge and relationship management in business 2. Electronic document management systems (Document Management Systems - DMS). 3. Enterprise Resource Planning (ERP) systems. 4. Customer Relationship Management (CRM) systems 5. Systems for Sales Process Management and automation of field workers' tasks (Sales/Field Force Automation - SFA, FFA) 6. Intelligent Data Mining Systems (Business Intelligence - BI) 7. Decision Support Systems (DSS). 8. Implementation scenarios and selection of system solutions for the enterprise		
Prerequisites and co-requisites	No requirements		
Assessment methods and criteria	Subject passing criteria	Passing threshold	Percentage of the final grade
	50 pkt	51.0%	100.0%

Recommended reading	Basic literature	1. S. Wrycza (red.), <i>Informatyka ekonomiczna. Podręcznik akademicki</i>, PWN, Warszawa 2010 2. J. Kisielnicki, <i>MIS systemy informatyczne zarządzania</i>, Wydawnictwo Placet, Warszawa 2008 3. A. Nowicki (red.), <i>Komputerowe wspomaganie biznesu</i>, Wydawnictwo Placet, Warszawa 2006
	Supplementary literature	1. Dębicka O., <i>Informatyczne systemy zarządzania</i>, [w:] <i>Gospodarka elektroniczna - współczesne gospodarstwo na rynku globalnym</i>, pod red. J. Winiarskiego, Wydawnictwo Uniwersytetu Gdańskiego, Gdańsk 2010 2. Dębicka O., <i>IT solution in building an effective purchase organization - a Polish case</i> [w:] <i>Regional Management. Theory, Practice and Development</i>, Żylna 2012 3. Dębicka O., <i>The challenge of IT strategies in the enterprises</i> [w:] <i>Studies&Proceedings of Polish Association for Knowledge Management</i>, Polish Association for Knowledge Management, Bydgoszcz 2007 4. Dębicka O., <i>Systemy Business Intelligence w zarządzaniu informacją w przedsiębiorstwie</i> [w:] <i>Studia i Materiały Instytutu Transportu i Handlu Morskiego</i>, Fundacja Rozwoju Uniwersytetu Gdańskiego, Gdańsk 2008 5. Dębicka O., <i>Cloud computing jako model dostarczania zasobów informatycznych w przedsiębiorstwie</i> [w:] <i>Studia i Materiały Instytutu Transportu i Handlu Morskiego nr 8/2011</i>, Fundacja Rozwoju UG, Sopot 2011 6. Dębicka O., <i>Wykorzystanie koncepcji EDI w usprawnieniu procesów biznesowych</i> [w:] <i>Studia i Materiały Instytutu Transportu i Handlu Morskiego nr 8/2011</i>, Fundacja Rozwoju UG, Sopot 2012 7. Adamczewski P., J. Stefanowski (red.), : <i>Nowoczesne systemy informatyczne dla małych i średnich przedsiębiorstw</i>, Wydawnictwo Wyższej Szkoły Bankowej, Poznań 2006 8. Kisielnicki J., Sroka H.: <i>Systemy informacyjne biznesu. Informatyka dla zarządzania</i>. Wydawnictwo Placet, Warszawa 2005 9. Adamczewski P.: <i>Zintegrowane systemy informatyczne w praktyce</i>, Wydawnictwo MIKOM, Warszawa 2003 10. Dyche J.: <i>CRM. Relacje z klientami</i>. Wydawnictwo Helion, Gliwice 2002 11. Centrum aplikacji biznesowych. www.computerworld.pl
	eResources addresses	Adresy na platformie eNauczanie:
Example issues/ example questions/ tasks being completed		
Work placement	Not applicable	

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