

Subject card

Subject name and code	Banking Informatics, PG_00156585						
Field of study	Information Science and Econometrics						
Date of commencement of studies	October 2024		Academic year of realisation of subject		2024/2025		
Education level	postgraduate studies		Subject group		Obligatory subject group in the field of study Subject group related to scientific research in the field of study		
Mode of study	part-time studies		Mode of delivery		at the university		
Year of study	1		Language of instruction		Polish		
Semester of study	1		ECTS credits		2.0		
Learning profile	academic		Assessment form				
Conducting unit	Katedra Informatyki Ekonomicznej -> Faculty of Management						
Name and surname of lecturer (lecturers)	Subject supervisor		Arkadiusz Harasimiuk				
	Teachers		Arkadiusz Harasimiuk				
Lesson types	Lesson type	Lecture	Tutorial	Laboratory	Project	Seminar	SUM
	Number of study hours	9.0	0.0	0.0	0.0	0.0	9
	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	9		10.0		35.0	54
Subject objectives	enable students to become familiar with the specifics of IT solutions in banking familiarise students with models and processes in banking IT familiarise students with solutions on the market that support banking						

Learning outcomes	Course outcome	Subject outcome	Method of verification
	[liEMU2_U03] The student is able to identify, to an in-depth degree, the institutional-legal and social constraints on the functioning of economic structures and institutions and reflect them in modeling, forecasting and optimization.	Practical knowledge of basic areas of banking informatics	[SU3] text preparation/written work
	[liEMU2_K01] The student understands the need for continuous completion and deepening of acquired knowledge. The student inspires and organizes others' learning processes.	Deepens knowledge through independent study of the subject literature Able to communicate acquired knowledge in a varied manner	[SK3] text preparation/written work
	[liEMU2_K02] The student can communicate freely with the public on specialised topics in the field of computer science and econometrics in and outside the workplace, communicate his knowledge and share his skills through various media. Culturally participates in discussions, is not afraid to ask questions and knows how to give constructive criticism.	Ability to carry out analyses dedicated to specific system areas	[SK3] text preparation/written work
	[liEMU2_W05] The student has an in-depth knowledge of socio-economic data sources, their databases and how to create them.	Knowledge of basic areas of IT in banking Knowledge of external regulatory considerations Knowledge of basic standards in banking Identify sources of external considerations that shape banking IT	[SW3] text preparation/written work
Subject contents	Basic terms central system supporting systems legal basis recommendation D of the KNF other recommendations system and data models used in banking IT system models in banking IT system data model - FSDM central system basic functionalities extensions of the central system supporting systems New Account - application management CRM marketing campaigns, customer retention, loyalty systems solutions for cooperation with external organizations card service, ATMs Contact Center internet banking, e-banking debt collection DWH range of data warehouse applications analytical tools dedicated to banking and payments		
Prerequisites and co-requisites	General knowledge of computerisation of business organisations		
Assessment methods and criteria	Subject passing criteria	Passing threshold	Percentage of the final grade
		50.0%	100.0%
Recommended reading	Basic literature A. Gospodarowicz (red.), Bankowość elektroniczna, PWE, Warszawa 2004. M. Polasik, Bankowość elektroniczna istota, stan, perspektywy, CeDeWu, Warszawa 2012. M. Solarz, Rozwój bankowości elektronicznej w Polsce, Almamater, Warszawa 2006. A. Borcuch, bankowość elektroniczna w Polsce, CeDeWu, Warszawa 2011. Ślajak, E. Guzek, Innowacyjna bankowość internetowa. Bank Web 2.0, Oficyna Wolters Kluwer, Warszawa 2012. NBP, Rekomendacja D, Warszawa 2002; S. Chandra Bihari, M. Murdia - CRM in Banking Sector with special reference to New Age Banks, The Journal of Internet Banking and Commerce Gospodarowicz A.: Technologie informatyczne w bankowości. Wydawnictwo Akademii Ekonomicznej we Wrocławiu, Wrocław, 2002. A. Harasimiuk - rozdział "Informatyka Bankowa" w Informatyka ekonomiczna pod red. prof. Stanisława Wryczy i dr. Jacka Maślankowskiego. PWN, Warszawa, 2018		

	Supplementary literature	S. Chandra Bihari, M. Murdia - CRM in Banking Sector with special reference to New Age Banks, The Journal of Internet Banking and Commerce Gospodarowicz A.: Technologie informatyczne w bankowości. Wydawnictwo Akademii Ekonomicznej we Wrocławiu, Wrocław, 2002. Information System for Banks - wyd. Indian Institute of Banking & Finance M. Heidmann, Overhauling banks IT systems, McKinsey&Company, 032010
	eResources addresses	Adresy na platformie eNauczanie:
Example issues/ example questions/ tasks being completed		
Work placement	Not applicable	

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