

Subject card

Subject name and code	ENTERPRISE INFORMATION SYSTEMS, PG_00040528								
Field of study	Engineering Management								
Date of commencement of studies	October 2021		Academic year of realisation of subject		2022/2023				
Education level	first-cycle 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	2		Language of instruction			English Lectures are in English, lecture materials are available in both languages, activity and exam in English or Polish (student's choice), laboratory is conducted in Polish.			
Semester of study	4		ECTS cred	S credits		5.0			
Learning profile	general academic profile		Assessmer	sessment form		exam			
Conducting unit	Department of Informatics in Management -> Faculty of Management and Economics								
Name and surname	Subject supervisor	dr Tomasz Janowski							
of lecturer (lecturers)	Teachers		dr Tomasz Janowski dr inż. Radosław Drozd						
		i							
Lesson types and methods of instruction	Lesson type Number of study hours	Lecture 16.0	Tutorial 0.0	Laboratory 16.0	Projec 0.0	t	Seminar 0.0	SUM 32	
	E-learning hours included: 0.0								
	Additional information: https://enauczanie.pg.edu.pl/moodle/course/view.php?id=22625								
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	32		8.0		85.0		125	
Subject objectives	The aim of the course is introduction to the modern practice of the use of information systems by enterprises for achieving operational excellence, developing new products and services, improving decision-making, and gaining competitive advantage. Another goal is to answer the question how the use of information systems and technologies transforms a traditional enterprise into a modern digital enterprise, and what is the impact of such transformation on the socioeconomic environment.								

Data wydruku: 25.04.2024 20:57 Strona 1 z 3

Learning outcomes	Course outcome	Subject outcome	Method of verification	
	[K6_U12] can design the process of exploitation of production and IT infrastructure with the use of appropriate methods, techniques and tools	A student is able to determine what technologies and information systems are needed in an enterprise to achieve its goals including increasing productivity. Student is able to point to innovative applications of information systems for the realization of the company objectives.	[SU4] Assessment of ability to use methods and tools [SU1] Assessment of task fulfilment	
	[K6_W12] has a basic knowledge of production management and occupational safety and ergonomics management, as well as information technologies necessary for engineering management	A student is able to recognize the management, organizational and technical aspects of the adoption of information systems in an enterprise. The student is able to plan the activities needed to build and manage IT systems in the company.	[SW1] Assessment of factual knowledge	
	[K6_U09] obtains data for analysis and interpretation of results using information technology	The student is able to classify and describe information technology environments used to build information systems, and knows the concepts and practice of IT project management.	[SU2] Assessment of ability to analyse information	

Subject contents

LECTURES

LECTURE 1 - INTRODUCTION

- Introductory case
- How does digitalization transform modern enterprises?
- What are the strategic goals of enterprise information systems?
- What is an information system, what are its functions and components?
- How does the information system realize value for the enterprise?
- What disciplines study information systems and what do each of them bring?
- What are the main messages of this lecture?

LECTURE 2 - TYPOLOGY

- Introductory case
- How are business processes related to information systems?
- How are information systems serving management groups in an enterprise?
- How do information systems join and improve the effectiveness of an enterprise?
- How do information systems support cooperation and social business?
- What is the role of information systems function in an enterprise?
- What are the main messages of this lecture?

LECTURE 3 - ORGANIZATION

- Introductory case
- How does organization influence the creation and use of information systems?
- How do information systems affect the operation of the organization?
- What strategies help to compete relying on information systems?
- How do information systems help produce value for an organization? What are the challenges facing information systems and how to solve them?
- What are the main messages of this lecture?

LABORATORY

- Laboratory 1 Fundamentals of the SAP system, Global Bike company in SAP
- Laboratory 2 Sales and distribution process in SAP
- Laboratory 3 Materials management process in SAP
- Laboratory 4 Production planning and implementation process in SAP
- Laboratory 5 Accounting and financial process in SAP
- Laboratory 6 Control process in SAP
- Laboratory 7 Human resources management process in SAP
- Laboratory 8 Colloquium

Data wydruku: 25.04.2024 20:57 Strona 2 z 3

Colloquium 60.0% Activity 0.0% Exam 60.0%					
Activity 0.0% Exam 60.0%	ssing threshold Percentage of the final grade				
Exam 60.0%	25.0%				
	10.0%				
	45.0%				
Project 0.0%	20.0%				
system	Kenneth C. Laudon and Jane P. Laudon. Management information systems: Managing the digital firm. 17th edition. Pearson Education. 2022				
Davent Harvard Andrew Networ Shosha for a Hi 2020. Thoma an Era HBR, N H. Jam Harvard David I Your B Publish Erik Br Work, Ř					
2022/2023	platformie eNauczanie: Enterprise Information Systems - Moodle ID: 22625 uczanie.pg.edu.pl/moodle/course/view.php?id=22625				
Example issues/ example questions/ tasks being completed 1. What are the management, organizational a 2. How do information systems serve different 3. What is the impact of information systems of 4. What ethical, social and political issues are a 5. What are the current trends in computer soft 6. What are the problems with managing data a 7. How does the Internet and Internet technolo business? 8. What are the most important tools and techn 9. How do supply chain management systems 10. What is the role of m-commerce in business 11. What are the main types of knowledge-base 12. How do information systems support manag 13. What are the new approaches to building sy 14. What are the main risk factors in IT system p	and technological components of information systems? management groups in an enterprise? n organizations? addressed by information systems? tware platforms? resources in a traditional file environment? gy work and how do they support communication and e- nologies for protecting IT resources? coordinate planning, production and logistics with suppliers? and what are the most important m-commerce applications? ded work processes and how do they serve a company? gers' decision-making?				
Work placement Not applicable					

Data wydruku: 25.04.2024 20:57 Strona 3 z 3