



**Field of study:**

## **Management**

**Subject: Information Management Processes**

Level of study: undergraduate studies

System of study: Full-time

Profile of studies: general academic

Subject: Information Management Processes

## **Form of classes and the ECTS points**

	Number of hours	ECTS points	Credit
consultations	35		without mark
lectures	30		exam
own work	60		
Total	125	6	

## **Aims of teaching**

The aim of the course is to familiarize students with the role of information processes in modern management and presentation of the methods used to implement information processes. As part of your studies, it is important to familiarize the student with the principles of knowledge processing and the use of expert systems.

## Intended learning outcomes

KNOWLEDGE		
SYMBOL	DESCRIPTION	REFERENCE TO THE PROFILE OUTCOME
P_W1	The student knows the current trends in management including the decision making methods.	Zarz_WG01_Lic Zarz_WG02_Lic
P_W2	The student is able to list and characterize selected ICT solutions used in the process information centers of modern enterprises.	Zarz_WG01_Lic Zarz_WG02_Lic Zarz_WG03_Lic
P_W3	The student acquires competence in processing knowledge based on modeling of decision-making processes.	Zarz_WG01_Lic Zarz_WG02_Lic Zarz_WG03_Lic
P_W4	The student has knowledge of the use of computer simulation used in aiding decision support within the company.	Zarz_WG01_Lic Zarz_WG02_Lic Zarz_WK01_Lic
P_W5	The student has knowledge about the basic principles of the construction of the basic languages used in decision modeling.	Zarz_WG01_Lic Zarz_WG02_Lic
SKILLS		
SYMBOL	DESCRIPTION	REFERENCE TO THE PROFILE OUTCOME
P_U1	The student is able to compare and choose optimal IT technologies for information management.	Zarz_UW01_Lic Zarz_UW02_Lic
P_U2	The student has knowledge of decision models as a part of management information processes.	Zarz_UW01_Lic Zarz_UW02_Lic Zarz_UW03_Lic
P_U3	The student has the ability to apply continuous and discrete computing simulation and its application to decision modeling.	Zarz_UW01_Lic Zarz_UW02_Lic Zarz_UW03_Lic
P_U4	The student has the ability to use a decisions planning language to define specific decision-making situations.	Zarz_UW01_Lic Zarz_UW02_Lic
P_U5	The student has the ability to define the knowledge base and its implementation to process knowledge.	Zarz_UW01_Lic Zarz_UW02_Lic

## SOCIAL COMPETENCES

SYMBOL	DESCRIPTION	REFERENCE TO THE PROFILE OUTCOME
P_K1	The student is aware of the responsibility associated with collecting and storing information, remembers to use methods minimizing risks connected to security of information.	Zarz_KK01_Lic Zarz_KK02_Lic
P_K2	The student during studies is focused on cooperation, appreciates the effects of group work.	Zarz_KO01_Lic Zarz_KO02_Lic Zarz_KO03_Lic
P_K3	The student is able to assess the basic activities of IT systems that support the flow of information on a need of decision making.	Zarz_KO01_Lic Zarz_KO02_Lic Zarz_KO03_Lic
P_K4	The student has competence in the area of building decision-making models as a part of group work, including computer simulation as the basic decision technology.	Zarz_KK01_Lic Zarz_KO01_Lic Zarz_KO02_Lic

## Course content

NUMBER	DESCRIPTION	FORM OF CLASSES	NUMBER OF HOURS
1	Management using a knowledge base	lectures	6 / 6
2	The principles of an expert system	lectures	4 / 4
3	Mapping of information processes in BPMN notation	lectures	4 / 4
4	Simulation models in management. Business modeling	lectures	4 / 4
5	Decision planning languages	lectures	4 / 4
6	Decision methods using the usability theory	lectures	6 / 6
7	Modeling of decisions in information processes	lectures	2 / 2

## Conditions of completion

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### LECTURES

TYPE OF CREDIT	CREDIT INFLUENCE (IN %)
Exam (for the lecturers only)	50
Class work	50

## Teaching methods

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- case studies
- exercises
- groupworks

## Reading (compulsory)

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- Zenon Biniek. Presentations from lectures 2019
- Zenon Biniek, Jacek M. Chmielewski, Kazimierz Waćkowski. Techniki organizatorskie w zarządzaniu projektami informatycznymi 2018

## Reading (additional)

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- Lack of literature

## Odniesienie efektów przedmiotowych do efektów kierunkowych, treści kształcenia, metod weryfikacji

SYMBOL	REFERENCE OF A GIVEN OUTCOME TO THE PROFILE OUTCOME	REFERENCE OF A GIVEN OUTCOME TO THE COURSE CONTENT	REFERENCE OF A GIVEN OUTCOME TO THE VERIFICATION METHODS
<b>KNOWLEDGE</b>			
P_W1	Zarz_WG01_Lic Zarz_WG02_Lic	1 7	class activity
P_W2	Zarz_WG01_Lic Zarz_WG02_Lic Zarz_WG03_Lic	2	class activity
P_W3	Zarz_WG01_Lic Zarz_WG02_Lic Zarz_WG03_Lic	4 6	class activity
P_W4	Zarz_WG01_Lic Zarz_WG02_Lic Zarz_WK01_Lic	3	class activity
P_W5	Zarz_WG01_Lic Zarz_WG02_Lic	5	class activity
SYMBOL	REFERENCE OF A GIVEN OUTCOME TO THE PROFILE OUTCOME	REFERENCE OF A GIVEN OUTCOME TO THE COURSE CONTENT	REFERENCE OF A GIVEN OUTCOME TO THE VERIFICATION METHODS
<b>SKILLS</b>			
P_U1	Zarz_UW01_Lic Zarz_UW02_Lic	4 6	class activity
P_U2	Zarz_UW01_Lic Zarz_UW02_Lic Zarz_UW03_Lic		class activity
P_U3	Zarz_UW01_Lic Zarz_UW02_Lic Zarz_UW03_Lic	4	class activity
P_U4	Zarz_UW01_Lic Zarz_UW02_Lic	3	class activity
P_U5	Zarz_UW01_Lic Zarz_UW02_Lic	1 3	class activity
SYMBOL	REFERENCE OF A GIVEN OUTCOME TO THE PROFILE OUTCOME	REFERENCE OF A GIVEN OUTCOME TO THE COURSE CONTENT	REFERENCE OF A GIVEN OUTCOME TO THE VERIFICATION METHODS
<b>SOCIAL COMPETENCES</b>			
P_K1	Zarz_KK01_Lic Zarz_KK02_Lic	2	Exam
P_K2	Zarz_KO01_Lic Zarz_KO02_Lic Zarz_KO03_Lic	2	exam

SYMBOL	REFERENCE OF A GIVEN OUTCOME TO THE PROFILE OUTCOME	REFERENCE OF A GIVEN OUTCOME TO THE COURSE CONTENT	REFERENCE OF A GIVEN OUTCOME TO THE VERIFICATION METHODS
<b>SOCIAL COMPETENCES</b>			
P_K3	Zarz_KO01_Lic Zarz_KO02_Lic Zarz_KO03_Lic	1	Exam
P_K4	Zarz_KK01_Lic Zarz_KO01_Lic Zarz_KO02_Lic	5	Exam