STUDY MODULE DESCRIPTION FORM

Name of the module/subject **Design of Management Information Systems**		Code **1011102311011160758**
Field of study **Engineering Management - Full-time studies -**	Profile of study (general academic, practical) **(brak)**	Year /Semester **1 / 1**
Elective path/specialty **Enterprise Management**	Subject offered in: **Polish**	Course (compulsory, elective) **elective**

Cycle of study: **Second-cycle studies**	Form of study (full-time,part-time) **full-time**

No. of hours Lecture: **15** Classes: **-** Laboratory: **-** Project/seminars: **15**	No. of credits **4**

Status of the course in the study program (Basic, major, other) **(brak)**	(university-wide, from another field) **(brak)**

Education areas and fields of science and art **social sciences** **Economics**	ECTS distribution (number and %**)** **4 100%** **4 100%**

Responsible for subject / lecturer:	Responsible for subject / lecturer:
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Prerequisites in terms of knowledge, skills and social competencies:

1	**Knowledge**	Student has the knowledge concerning fundamentals of management and science of organization
2	**Skills**	Student is able to identify both types of organizational structures and designing production structure of first complexity degree units
3	**Social competencies**	Student is willing and ready to develop his knowledge as well as he is opened for teamwork

Assumptions and objectives of the course:

-The goal of the subject is to get to know with tools of information system design as well as mastering the ability of information system design

Study outcomes and reference to the educational results for a field of study

Knowledge:

1. Student has the deepen knowledge concerning the determinants of organizational structures as well as mechanisms of changes in enterprise - [K2A_W03]

2. Student has the deepen knowledge concerning connections and organizational dependencies appearing between organizational units in enterprise - [K2A_W05]

3. Student knows the methods of modeling the organizational functions with function tree approach - [K2A_W07]

4. Student knows methods and tools of decission-making processes modeling - [K2A_W08, K2A_W09]

5. Student has the deepen knowledge about enterprise - [K2A_W14]

6. Student has the deepen knowledge concerning changes in organizational structures and managing these changes - [K2A_W15]

7. Student has the deepen knowledge concerning organizational structures as well as types of organizational bonds and its historical evolution - [K2A_W16]

Skills:

1. Student is able to use theoretical knowledge to identify causes and follow of information processes supported by computing system - [K2A_U02]

2. Student is able to analyze disruption causes and follow of information processes supporting by computing system - [K2A_U03]

3. Student is able to forecast and modeling complex decision-making processes using computer aided methods - [K2A_U04]

4. Student has ability of proper selection of tools supporting design and modeling information processes - [K2A_U06]

5. Student is able to propose solutions in designing processes and information systems supported by computing system   - [K2A_U07]

Social competencies:

1. Student is conscious to be opened for the propositions of alternative solutions of designing ednterprise?s information system supporting by computer system - [K1A_K02]

2. Student is responsible for carry out the implementation of information technologies IT supporting management in enterprise - [K1A_K03]

3. Student is conscious of interdisciplinary knowledge and skills required to solve complex problems while designing information systems - [K1A_K06]

Assessment methods of study outcomes

-Forming grade:

a) projects - on the basis of the evaluation the systematical progress of carried out tasks b) lectures: on the basis of the answers to the questions concerning the discussed problems at the previous lectures,

Sum up grade:

a) projects: (1)public presentation of the prepared projects; (2) form and quality of prepared materials

b) lectures: test of 15 questions (at least the 55% of answers have to be correct)

Course description

- Enterprise?s management system and its subsystems. Approaches to management systems design. Process orientation in modeling management systems. Modeling management systems with using function tree approach, modules methods Buschardt method. Computer tools supported modeling information systems: OBDOK, ARIS, WorkFlow

Basic bibliography:

1. Gabryelczyk R., ARIS w modelowaniu procesów biznesu, Difin, Warszawa 2006

2. Bednarek M., Doskonalenie systemów zarządzania, Warszawa, Difin 2007

3. Curtis G., Cobham D., Business Information Systems; Analysis, Design and Practice, Prentice Hall, 2002

Additional bibliography:

1. Łobejko S., Systemy informacyjne w zarządzaniu wiedzą i innowacją w przedsiębiorstwie, Oficyna Wydawnicza-SGH, Warszawa 2005

Result of average student's workload

Activity	Time (working hours)
1. Lectures	15
2. Projects	15
3. Own study	20
4. Consultation	20
5. Preparation for passing project	12
6. Preparation for passing lectures	14
7. Project evaluation	2
8. Lectures evaluation	2

Student's workload

Source of workload	hours	ECTS
Total workload	100	4
Contact hours	54	2
Practical activities	47	2