

Faculty of Computer Science and Management

**SUBJECT CARD****Name in Polish Zintegrowane systemy informatyczne****Name in English Management Information Systems****Main field of study (if applicable): Management****Specialization (if applicable): Business Information Systems****Level and form of studies: 2nd level, full-time****Kind of subject: obligatory****Subject code IEZ1204****Group of courses NO**

	Lecture	Classes	Laboratory	Project	Seminar
Number of hours of organized classes in University (ZZU)	15		30		15
Number of hours of total student workload (CNPS)	60		60		30
Form of crediting	Examination		crediting with grade		crediting with grade
For group of courses mark (X) final course					
Number of ECTS points	2		2		1
including number of ECTS points for practical (P) classes			2		1
including number of ECTS points for direct teacher-student contact (BK) classes	0,5		1		0,5

\*delete as applicable

**PREREQUISITES RELATING TO KNOWLEDGE, SKILLS AND OTHER COMPETENCES**

Knowledge about:

1. essentials of informatics,
2. technologies of data operations,
3. information systems,
4. theory of organisation and management
5. essentials of enterprise management
6. basics of logistics

**SUBJECT OBJECTIVES**

C1 Knowledge of integrated management information systems (IMIS)

C2 Knowledge of the implementation of IMIS

C3 Ability to use ERP IMIS

**SUBJECT EDUCATIONAL EFFECTS**

relating to knowledge:

PEK\_W01 – knowledge of basic functions in business areas of MIS

relating to skills:

PEK\_U01 – ability to find and minimize risk factors during the MIS implementation

PEK\_U02 – ability to set goals for the MIS implementation

relating to social competences:

PEK\_K01 – developing ability to think independently and creatively  
 PEK\_K02 – developing the skills of group working

### PROGRAMME CONTENT

<b>Form of classes - lecture</b>		<b>Number of hours</b>
Lec 1	Managing the contemporary enterprise at market layouts.	2
Lec 2	Typology of informational systems at the angle of primary criterions. Types MPR II/ERP.	2
Lec 3	General characteristics of management information system sets.	2
Lec 4	Computer aid management at areas: supply, production, stock, distribution	2
Lec 5	Supporting marketing functioning by informatics management systems	2
Lec 6	Informatics strategies of enterprise management.	2
Lec 7	Choosing and implementation of system set.	2
Lec 8	Conclusion	1
	Total hours	15
<b>Form of classes - laboratory</b>		<b>Number of hours</b>
Lab 1	Introduction to ERP system	2
Lab 2	General settings	2
Lab 3	Data management in ERP system	2
Lab 4	Reporting tools	2
Lab 5	Financial functions	2
Lab 6	HR functions	2
Lab 7	Cost functions	2
Lab 8	General ledger	2
Lab 9	Assets	2
Lab 10	Logistics	2
Lab 11	Purchase orders	2
Lab 12	Work orders	2
Lab 13	MRP planning	2
Lab 14	Accounting	2
Lab 15	Conclusion	2
	Total hours	30
<b>Form of classes - seminar</b>		<b>Number of hours</b>
Sem 1	Introduction	2
Sem 2	MIS systems and APICS	2
Sem 3	Basic MIS systems	2

Sem 4	Advanced MIS systems	2
Sem 5	Integrated MIS systems	2
Sem 6	New trends in IMIS systems	2
Sem 7	Computer Integrated Manufacturing	2
Sem 8	Conclusion	1
	Total hours	15

### TEACHING TOOLS USED

N1. Traditional lecture  
N2. Using ERP IT tool  
N3. Self-learning

### EVALUATION OF SUBJECT EDUCATIONAL EFFECTS ACHIEVEMENT

Evaluation (F – forming (during semester), P – concluding (at semester end))	Educational effect number	Way of evaluating educational effect achievement
F1	PEK_W01	Exam (test)
F2	PEK_U01 PEK_U02 PEK_K01 PEK_K02	Evaluation of the seminar and lab work
C = F1 + F2		

### PRIMARY AND SECONDARY LITERATURE

#### **PRIMARY LITERATURE:**

- [1] James O'Brien, George Marakas: Management Information Systems, McGraw-Hill/Irwin, 2010
- [2] Ken Laudon, Jane Laudon: Management Information Systems, Prentice Hall; 11 edition, 2009
- [3] R. Kelly Rainer, Hugh J. Watson: Management Information Systems, Moving Business Forward, Wiley, 2012

#### **SECONDARY LITERATURE:**

- [1] Computerworld magazine

#### **SUBJECT SUPERVISOR (NAME AND SURNAME, E-MAIL ADDRESS)**

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**MATRIX OF CORRELATION BETWEEN EDUCATIONAL EFFECTS FOR SUBJECT  
Management Information Systems  
AND EDUCATIONAL EFFECTS FOR MAIN FIELD OF STUDY Management  
AND SPECIALIZATION Business Information Systems**

<b>Subject educational effect</b>	<b>Correlation between subject educational effect and educational effects defined for main field of study and specialization (if applicable)**</b>	<b>Subject objectives***</b>	<b>Programme content***</b>	<b>Teaching tool number***</b>
PEK_W01	K2_ZARZ_W03 K2_ZARZ_W14 S2_BIS_W03	C1	Lec1-Lec7	N1
PEK_U01 PEK_U02	K2_ZARZ_U05 K2_ZARZ_U13 S2_BIS_U04 S2_BIS_U05	C2 C3	Lab1 - Lab7 Sem1 – Sem7	N1 N2 N3
PEK_K01 PEK_K02	K2_ZARZ_K01 K2_ZARZ_K02	C3	Sem1 –Sem7	N2 N3

\*\* - enter symbols for main-field-of-study/specialization educational effects

\*\*\* - from table above