FACULTY Computer Science and Management

# SUBJECT CARD

**Name in Polish Systemy informatyczne w zarządzaniu**
**Name in English Information Systems in Management**
**Main field of study (if applicable): Management**
**Specialization (if applicable): Organizational Management**
**Level and form of studies: 1st level, full-time**
**Kind of subject: obligatory**
**Subject code IEZ1228**
**Group of courses NO**

| | Lecture | Classes | Laboratory | Project | Seminar |
|---|---|---|---|---|---|
| Number of hours of organized classes in University (ZZU) | 30 | | 15 | | |
| Number of hours of total student workload (CNPS) | 90 | | 60 | | |
| Form of crediting | crediting with grade | | crediting with grade | | |
| For group of courses mark (X) final course | | | | | |
| Number of ECTS points | 3 | | 2 | | |
| including number of ECTS points for practical (P) classes | | | 2 | | |
| including number of ECTS points for direct teacher-student contact (BK) classes | 1,0 | | 0,5 | | |

\*delete as applicable

## PREREQUISITES RELATING TO KNOWLEDGE, SKILLS AND OTHER COMPETENCES
Knowledge about:
1. information systems,
2. theory of organisation and management
3. essentials of enterprise management
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## SUBJECT OBJECTIVES
C1 Knowledge of management information systems (MIS)
C2 Ability to use MIS
C3 Ability to selection of MIS

## SUBJECT EDUCATIONAL EFFECTS
relating to knowledge:
PEK_W01 – knowledge of MIS definitions and classifications
PEK_W02 – knowledge of basic functions in business areas of MIS
PEK_W03 – knowledge of MIS history and new approaches
PEK_W04 – knowledge of rules of selecting MIS

relating to skills:
PEK_U01 – ability to classify a MIS
PEK_U02 – ability to analyze functionality of MIS system

PEK_U03 – ability to model business process
PEK_U04 – ability to prepare and present own approach to the MIS implementation

relating to social competences:
PEK_K01 – ability to searching for information and analyzing
PEK_K02 – developing ability to think independently and creatively
PEK_K03 – understand the importance of business requirements in the design and
      implementation of information systems
PEK_K04 – developing entrepreneurial thinking
PEK_K05 – developing the skills of group working

## PROGRAMME CONTENT

| Form of classes - lecture | | Number of hours |
|---|---|---|
| Lec 1 | Introduction | 2 |
| Lec 2 | Basics of management information systems | 2 |
| Lec 3 | Classifications of information systems | 2 |
| Lec 4 | Financial functions in MIS | 2 |
| Lec 5 | Logistics functions in MIS | 2 |
| Lec 6 | Productionl functions in MIS | 2 |
| Lec 7 | CRM and PRM systems | 2 |
| Lec 8 | BI systmes | 2 |
| Lec 9 | WFM systems | 2 |
| Lec 10 | Introduction to implementation of MIS | 2 |
| Lec 11 | The proces of implementation | 2 |
| Lec 12 | Methods of MIS selection | 2 |
| Lec 13 | Methods of describing organization's requirements | 2 |
| Lec 14 | Business process modeling in the organization | 2 |
| Lec 15 | Conclusion | 2 |
| | Total hours | 30 |
| Form of classes - class | | Number of hours |
| Form of classes - laboratory | | Number of hours |
| Lab 1 | Introduction | 1 |
| Lab 2 | Organization's requirements | 2 |
| Lab 3 | Description of selected MIS | 2 |
| Lab 4 | Analysis of functionality of MIS | 2 |
| Lab 5 | Selection criteria | 2 |
| Lab 6 | Comparasion of selected MIS | 2 |
| Lab 7 | Selection of the best MIS for the organization | 2 |
| Lab 8 | Conlusion | 2 |
| | Total hours | 15 |

| TEACHING TOOLS USED |
|---|
| N1. Traditional lecture |
| N2. Using MIS tool |
| N3. Work with the teacher |
| N4. Self-learning – for labs |
| N5. Self-learning – for lectures |

## 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 – PEK_W04 PEK_U01 - PEK_U02 PEK_K01 PEK_K03 | Test |
| F2 | PEK_U02 –PEK_U04 PEK_K01 PEK_K02 PEK_K04 PEK_K05 | Evaluation of the 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
**Information Systems in Management**
AND EDUCATIONAL EFFECTS FOR MAIN FIELD OF STUDY **Management**
AND SPECIALIZATION **Organizational Management**

| Subject educational effect | Correlation between subject educational effect and educational effects defined for main field of study and specialization (if applicable)** | Subject objectives*** | Programme content*** | Teaching tool number*** |
|---|---|---|---|---|
| **PEK_W01** **PEK_W02** **PEK_W03** | K1_ZARZ_W13 K1_ZARZ_W24 | C1 | Lec1-Lec3 Lec7-Lec14 | N1, N5 |

| PEK_W04 | K1_ZARZ_W26 | | | |
|---|---|---|---|---|
| PEK_W02<br>PEK_W03 | K1_ZARZ_W13<br>K1_ZARZ_W24<br>K1_ZARZ_W26 | C1 | Lec4-Lec6 | N1, N5 |
| PEK_U01<br>PEK_U02<br>PEK_U03 | K1_ZARZ_U12 | C2 | Lab1-Lab6 | N2, N3, N4 |
| PEK_U04 | K1_ZARZ_U15<br>K1_ZARZ_U16<br>K1_ZARZ_U17 | C3 | Lab1-Lab7 | N2, N3, N4 |
| PEK_K01<br>PEK_K02<br>PEK_K03<br>PEK_K04<br>PEK_K05 | K1_ZARZ_K01<br>K1_ZARZ_K02<br>K1_ZARZ_K03 | C2, C3 | Lab1-Lab7 | |