Zał. nr 4 do ZW 64/2012

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| FACULTY OF COMPUTER SCIENCE AND MANAGEMENT  **SUBJECT CARD**  **Name in Polish: Doskonalenie systemów informacyjnych organizacji**  **Name in English: Improvement of organizational information systems**  **Main field of study (if applicable): Management**  **Specialization (if applicable): Business Management**  **Level and form of studies: 1st level, full-time**  **Kind of subject: optional**  **Subject code: IEZ3132**  **Group of courses: NO** |

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

\*delete as applicable

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| **PREREQUISITES RELATING TO KNOWLEDGE, SKILLS AND OTHER COMPETENCES**   1. Capable to implement a simple relational database system and acquire ad hoc information by defining from a relational data base search processes using a query language. 2. Knows a methodology of management information systems identification and analysis and capable to apply it. |

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| **SUBJECT OBJECTIVES**  C1 An application of the student’s general knowledge from the area of the data processing technology and management information systems analysis in practice, confrontation of theoretical foundations with practice.  C2 Verification of the student’s skills of the management information system current state identification and assessment and of the determining directions of the management information system improvements by means of computer systems.  C3 To acquire social competences specific for the activity of the management information systems improvement. |

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| **SUBJECT EDUCATIONAL EFFECTS**  relating to knowledge:  relating to skills:  PEK\_U01 Capable to apply in practice theoretical and methodological solutions in management information systems diagnostics.  PEK\_U02 Capable to apply in practice theoretical and methodological solutions in the management information systems computerization.  relating to social competences:  PEK\_K01 Capable unaided to develop her/his knowledge and skills, to collaborate and to work in groups, ready to identify, analyze and solve problems in the area of management information systems diagnostics and improvement.  PEK\_K02. Capable professionally to find and chose problem solving methods, to take the responsibility for them, pass over, convince and defend own views connecting with information systems diagnostics and improvement. |

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| **PROGRAMME CONTENT** | | |
| **Form of classes - lecture** | | **Number of hours** |
| Lec 1 |  |  |
| Lec 2 |  |  |
| Lec 3 |  |  |
| …. |  |  |
|  | Total hours |  |

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| **Form of classes - class** | | **Number of hours** |
| Cl 1 |  |  |
| Cl 2 |  |  |
| Cl 3 |  |  |
|  | Total hours |  |

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| **Form of classes - laboratory** | | **Number of hours** |
| Lab 1 |  |  |
| Lab 2 |  |  |
| Lab 3 |  |  |
|  | Total hours |  |

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| **Form of classes - project** | | **Number of hours** |
| Proj 1 | Determining of the project goals and requirements to the project documentation. Project tasks review. | 2 |
| Proj 2 | Consultations on the extend and the way of the organization information system diagnostics investigation in the organizational function hierarchy perspective. | 2 |
| Proj 3 | Consultations on the extend and the way of the organization information system diagnostics investigation in the organizational entity relationship perspective. | 2 |
| Proj 4 | Consultations on the extend and the way of the organization information system diagnostics investigation in the data flow model perspective and the assessment of the existing information system implementation. | 2 |
| Proj 5 | Consultations on the extend and the way of the organization information system diagnostics investigation in the analysis of the information requirements fulfilling by the existing information system. | 2 |
| Proj 6 | Plenary session. Presentation, analysis and assessment of the project problems proposed by project teams. | 4 |
| Proj 7 | Consultations on the theoretical and methodological problems connected with the database application design solution elaboration (determining the information and functional requirements, determining the non-functional requirements to the data base application). | 2 |
| Proj 8 | Consultations on the theoretical and methodological problems connected with the database application design solution elaboration (data base application architecture design). | 2 |
| Proj 9 | Consultations on the theoretical and methodological problems connected with the database application design solution elaboration (data base design). | 2 |
| Proj 10 | Consultations on the theoretical and methodological problems connected with the database application design solution elaboration (forms and reports design, menu design). | 2 |
| Proj 11 | Plenary session. Presentation, analysis and assessment of the project solutions proposed by the project teams. | 6 |
| Proj 12 | Summary and credit. | 2 |
|  | Total hours |  |

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| **Form of classes - seminar** | | **Number of hours** |
| Sem 1 |  |  |
| Sem 2 |  |  |
| Sem 3 |  |  |
|  | Total hours |  |

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| **TEACHING TOOLS USED** |
| N1. Consultations  N2. Solving a practical problem  N3. Workstation capable to prepare the design documentation and the computer application  N4. Presentations during plenary sessions, discussions, justification of the own solutions  N5. Attitude and behavior of the teacher |

**EVALUATION OF SUBJECT EDUCATIONAL EFFECTS ACHIEVEMENT**

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| **Evaluation** (F – forming (during semester), P – concluding (at semester end) | Educational effect number | Way of evaluating educational effect achievement |
| F1 | PEK\_U01 | Scoring of the „Project problem application” (max. 10 pt.) and its presentation during the first plenary session (max. 10 pt.) |
| F2 | PEK\_U02 | Scoring of the „Written report” (max. 50 pt.), quality of the design justification (max. 15 pt.) |
| P | PEK\_U01,  PEK\_U02, PEK\_K01,  PEK\_K02 | Scoring an author’s independence, her/his maturity in the area under considertion, attendence, participation in discussions (max. 15 pkt.) plus scoring of F1 and F2. |
| P=1, F=2 | | |

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| **PRIMARY AND SECONDARY LITERATURE** |
| **PRIMARY LITERATURE:**   1. Barker R., Longman C. “Modelowanie funkcji i procesów”, WNT Warszawa,1996. 2. Barker R. “Modelowanie związków encji”, WNT Warszawa,1996. 3. Ullmann J. Widom J. Podstawowy wykład z systemów baz danych, WNT 2000.   **SECONDARY LITERATURE:**   1. Sergiusz Flanczewski „ACCESS w biurze i nie tylko”. Helion, 2007. |
| **SUBJECT SUPERVISOR (NAME AND SURNAME, E-MAIL ADDRESS)** |
| **Anna Lamek, anna.lamek@pwr.wroc.pl** |

MATRIX OF CORRELATION BETWEEN EDUCATIONAL EFFECTS FOR SUBJECT

**Improvement of organizational information systems**

AND EDUCATIONAL EFFECTS FOR MAIN FIELD OF STUDY Management

AND SPECIALIZATION **Business Management**

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| **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\_U01** | K1\_ZARZ\_U05, K1\_ZARZ\_U12 | C1, C2 | Proj 1, Proj 2, Proj 3, Proj 4, Proj 5 | N1, N2, N3, N4 |
| **PEK\_U02** | K1\_ZARZ\_U05, K1\_ZARZ\_U12 | C1, C2 | Proj 7, Proj 8, Proj 9, Proj 10 | N1, N2, N3, N4 |
| **PEK\_K01** | K1\_ZARZ\_K01, K1\_ZARZ\_K02, K1\_ZARZ\_K04 | C3 | In connection with all programme content | In connection with all teaching tools |
| **PEK\_K02** | K1\_ZARZ\_K03, K1\_ZARZ\_K05, K1\_ZARZ\_K06 | C3 | In connection with all programme content | In connection with all teaching tools |

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

\*\*\* - from table above