Zał. nr 4 do ZW 64/2012

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| **FACULTY OF COMPUTER SCIENCE AND MANAGEMENT**  **SUBJECT CARD**  **Name in Polish – Podstawy finansów**  **Name in English – Basics of finance**  **Main field of study – Management**  **Specialization: Business Management**  **Level and form of studies: 1st level, full-time**  **Type of subject: obligatory**  **Subject code FBZ1148**  **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) | 60 |  |  |  |  |
| Form of credition | Crediting with grade |  |  |  |  |
| For group of courses mark (X) final course |  |  |  |  |  |
| Number of ECTS points | 2 |  |  |  |  |
| including number of ECTS points for practical (P) classes | - |  |  |  |  |
| including number of ECTS points for direct teacher-student contact (BK) classes | 1 |  |  |  |  |

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| **PREREQUISITES RELATING TO KNOWLEDGE, SKILLS AND OTHER COMPETENCES**  1. Competencies in mathematics confirmed by positive marks on certificate from a high school.  2. Skills of making notes during lectures and studying recommended literature.  3. Social competencies allowing taking part in lectures conducted for big student groups. |

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| **SUBJECT OBJECTIVES**  C1. Acquiring by students the essential knowledge components from the area of basic finance, such as:  C1.1 Notion of finance,  C1.2 Development of finance as knowledge/science,  C1.3 Fundamental financial categories,  C1.4 Role and functioning of money in economy,  C1.5 Notion of percentage rate, types and components of percentage rates,  C1.6 Time value of money,  C1.7 Notion of value in finance, problems of valuation and rate of return,  C1.8 Notion and measuring of risk in finance,  C1.9 The essence, functions and components of financial system of economy (including system in Poland),  C1.10 Basic financial instruments.  C2. Mastering by students:  C2.1 The skills of correct usage of notions of finance and financial terminology in the scope of fundamentals of finance,  C2.2 The skills of classification and description of fundamental financial events and processes,  C2.3 The skills of interpretation and basic analysis and evaluation of financial events and processes.  C3. Acquiring and developing by students the social competencies, such as:  C3.1 Responsible behavior and responsibility for oral and written statements,  C3.2 Fairness and truth in conduct in academic environment and in a society,  C3.3 Positive influence on functioning of a student group (coherent with subject objectives),  C3.4 Tolerance for cultural differences, respect for personal individual choices not limiting freedoms of others, skills of finding areas of agreement and cooperation in a changing, multicultural society. |

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| **SUBJECT EDUCATIONAL EFFECTS** of students who have got subject credition  **– in a scope of knowledge – they have basic knowledge in finance, that is they:**  PEK\_W01 – know etymology of a “finance” term and basic stages of finance development,  PEK\_W02 – know subject and methods of research in finance and various specific financial disciplines,  PEK\_W03 – know and understand basic financial categories, such as price, revenue, income, profit, percentage rate, rent, expenditure, cost, amortization, loan, credit, deficit, debt,  PEK\_W04 – have knowledge of role and functioning of money in economy,  PEK\_W05 – know a notion of a percentage rate, identify types and components of percentage rates,  PEK\_W06 – have knowledge on time value of money, inflation and its results, and methods of measuring the time value of money,  PEK\_W07 – know a notion of value in finance and know methods of financial valuation,  PEK\_W08 – know a notion of income and various rates of income,  PEK\_W09 – know a notion of risk and know methods of measuring risk,  PEK\_W10 – have knowledge on the essence, functions, and components of financial system in economy (particularly in Poland),  PEK\_W11 – know and characterize basic financial instruments of transfer of capital and transfer of risk.  **– from a scope of skills – they can correctly apply learned notions and methods of finance for classifying, describing, analyzing and evaluating financial events and processes, that is they:**  PEK\_U01 – can correctly use the notions and financial terminology from the scope of fundamentals of finance,  PEK\_U02 – can present/describe typical financial events and processes,  PEK\_U03 – are able to perform a quantitative analysis of financial events and interpret and evaluate results of analysis.  **– from a scope of social competencies – they acquire and develop social competencies, such as:**  PEK\_K01 – openness on information presented in media on financial topics,  PEK\_K02 – consciousness of a need of an analytical/critique approach towards financial information received and financial opinions presented ,  PEK\_K03 – activity in looking for supplementary information and its selection and verification,  PEK\_K04 – care for developing ability of independent application of acquired knowledge and skills,  PEK\_K05 – consciousness of influence of applied financial solutions on economy, producers, consumers and social development,  PEK\_K06 – objectivism in evaluating arguments of others, rational approach in supporting own points of view with application of knowledge of basics of finance,  PEK\_K07 – conforming to good habits and rules of behavior obligatory in academic environment and in society. |

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| **PROGRAMME CONTENT** | | |
| **Form of classes - lecture** | | **Number**  **of hours** |
| Lec 1 | Organizational matters. Notion of finance, finance development and disciplines of finance. | 2 |
| Lec 2 | Basic financial categories. | 2 |
| Lec 3 | Role and functions of money in economy. | 5 |
| Lec 4 | Notion of percentage rate, types and components of percentage rates. | 2 |
| Lec 5 | Time value of money. Intermediate written knowledge and skills verification. | 5 |
| Lec 6 | Notion of value in finance, topic of valuation and of income rate. | 2 |
| Lec 7 | Notion and measure of risk. | 2 |
| Lec 8 | The essence, functions and components of financial system in economy (particularly in Poland). | 5 |
| Lec 9 | Basic financial instruments. Final written knowledge and skills verification | 5 |
|  | Total hours | **30** |

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

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

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| **Form of classes - project** | | **Number of hours** |
| Proj 1 |  |  |
| Proj 2 |  |  |
| … |  |  |
|  | Total hours |  |

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

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| **TEACHING TOOLS USED** |
| N1. Traditional lecture  N2. Lecture with application of slides (projector and computer)  N3. Written knowledge and skills verification  N4. Consultations  N5. Individual work – studying and preparation for knowledge and skills verification. |

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| **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\_W06, PEK\_U01÷ PEK\_U03, PEK\_K01, PEK\_K02, PEK\_K04÷ PEK\_K07 | Written knowledge and skills verification |
| F2 = P | PEK\_W01÷ PEK\_W11, PEK\_U01÷ PEK\_U03,  PEK\_K01, PEK\_K02, PEK\_K04÷ PEK\_K07 | Written knowledge and skills verification |

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| **PRIMARY AND SECONDARY LITERATURE** |
| **PRIMARY LITERATURE:**   1. Owsiak S., *Podstawy nauki finansów*, PWE, Warszawa 2002 2. Jajuga K., *Elementy nauki o finansach*, PWE, Warszawa 2007. 3. Szczęsny W., *Finanse. Zarys wykładu*, Difin, Warszawa 2009. 4. Dobosiewicz Z., *Wprowadzenie do finansów i bankowości*, PWN, Warszawa 2007   **SECONDARY LITERATURE:**   1. Podgórska M., Klimkowska J., *Matematyka finansowa*, WN PWN, Warszawa 2006. 2. Dębski W. *Rynek finansowy i jego mechanizmy*, WN PWN, Warszawa 2005. 3. Pietrzak B. i in.(red. nauk.), *System finansowy w Polsce,* WN PWN Warszawa 2008. 4. Dmowski A., Sarnowski J., Prokopowicz D., *Podstawy finansów i bankowości*, Difin, Warszawa 2005 5. Ostaszewski J. (red. nauk), *Finanse,* Difin, Warszawa 2007 |
| **SUBJECT SUPERVISOR (NAME AND SURNAME, E-MAIL ADDRESS)** |
| Wojciech Sibilski, wojciech.sibilski@pwr.wroc.pl |

MATRIX OF CORRELATION BETWEEN EDUCATIONAL EFFECTS FOR SUBJECT

**Basics of finance**

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\_W01 (knowledge)** | K1\_ZARZ\_W01, K1\_ZARZ\_W02 | C1.1 | Wy1 | N1÷N5 |
| **PEK\_W02** | K1\_ZARZ\_W01, K1\_ZARZ\_W02 | C1.2 | Wy1 | N1÷N5 |
| **PEK\_W03** | K1\_ZARZ\_W03 | C1.3 | Wy2 | N1÷N5 |
| **PEK\_W04** | K1\_ZARZ\_W02, K1\_ZARZ\_W03 | C1.4 | Wy3 | N1÷N5 |
| **PEK\_W05** | K1\_ZARZ\_W03 | C1.5 | Wy4 | N1÷N5 |
| **PEK\_W06** | K1\_ZARZ\_W02, K1\_ZARZ\_W03 | C1.6 | Wy5 | N1÷N5 |
| **PEK\_W07** | K1\_ZARZ\_W02, K1\_ZARZ\_W03 | C1.7 | Wy6 | N1÷N5 |
| **PEK\_W08** | K1\_ZARZ\_W03 | C1.7 | Wy6 | N1÷N5 |
| **PEK\_W09** | K1\_ZARZ\_W02, K1\_ZARZ\_W03 | C1.8 | Wy7 | N1÷N5 |
| **PEK\_W10** | K1\_ZARZ\_W02, K1\_ZARZ\_W03, K1\_ZARZ\_W04, K1\_ZARZ\_W11 | C1.9 | Wy8 | N1÷N5 |
| **PEK\_W11** | K1\_ZARZ\_W03, K1\_ZARZ\_W04, K1\_ZARZ\_W11 | C1.10 | Wy9 | N1÷N5 |
| **PEK\_U01 (skills)** | K1\_ZARZ\_U01, K1\_ZARZ\_U02, K1\_ZARZ\_U14, | C2.1 | Wy1, Wy2, Wy4, Wy6, Wy7, Wy9 | N1÷N5 |
| **PEK\_U02** | K1\_ZARZ\_U14 | C2.2 | Wy2÷Wy9 | N1÷N5 |
| **PEK\_U03** | K1\_ZARZ\_U02, K1\_ZARZ\_U03, K1\_ZARZ\_U14 | C2.3 | Wy2÷Wy9 | N1÷N5 |
| **PEK\_K01 (competences)** | K1\_ZARZ\_K01, K1\_ZARZ\_\_K06 | C3 | Wy1÷Wy9 | N1÷N5 |
| **PEK\_K02** | K1\_ZARZ\_K01, K1\_ZARZ\_K04  K1\_ZARZ\_\_K06 | C3 | Wy1÷Wy9 | N1÷N5 |
| **PEK\_K03** | K1\_ZARZ\_\_K01, K1\_ZARZ\_\_K04  K1\_ZARZ\_\_K05, K1\_ZARZ\_\_K06 | C3 | Wy1÷Wy9 | N1÷N5 |
| **PEK\_K04** | K1\_ZARZ\_\_K01, K1\_ZARZ\_\_K04  K1\_ZARZ\_\_K06 | C3 | Wy1÷Wy9 | N1÷N5 |
| **PEK\_K05** | K1\_ZARZ\_\_K04, K1\_ZARZ\_K05  K1\_ZARZ\_K06 | C3 | Wy1÷Wy9 | N1÷N5 |
| **PEK\_K06** | K1\_ZARZ\_\_K02, K1\_ZARZ\_\_K06, | C3 | Wy1÷Wy9 | N1÷N5 |
| **PEK\_K07** | K1\_ZARZ\_\_K02, K1\_ZARZ\_\_K04 | C3 | Wy1÷Wy9 | N1÷N5 |

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

\*\*\* - from table above