Zał. nr 5 do ZW 16/2020

FACULTY OF CHEMISTRY

SUBJECT CARD

Name of subject in Polish Ekonomia i zarządzanie
Name of subject in English Economics and management
Main field of study (if applicable): Chemical Nano-Engineering
Specialization (if applicable): ……..
Profile: academic
Level and form of studies: 2nd level, , full-time
Kind of subject: obligatory
Subject code …….
Group of courses NO

	Lecture	Classes	Laboratory	Project	Seminar
Number of hours of organized classes in University (ZZU)	30	30			
Number of hours of total student workload (CNPS)	90	60			
Form of crediting	crediting with grade*	crediting with grade*	Examination / crediting with grade*	Examination / crediting with grade*	Examination / crediting with grade*
For group of courses mark (X) final course					
Number of ECTS points	3	2			
including number of ECTS points for practical classes (P)		2			
including number of ECTS points corresponding to classes that require direct participation of lecturers and other academics (BU)	2,1	1,4			

*delete as not necessary

PREREQUISITES RELATING TO KNOWLEDGE, SKILLS AND OTHER COMPETENCES
None

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SUBJECT OBJECTIVES

C1 . Acquiring the knowledge of basic notions, methods and tools in economics
C2 . Acquiring the knowledge of basic notions, methods and tools in management

SUBJECT EDUCATIONAL EFFECTS

related to knowledge:
After the course, the student:
PEU_W01 – knows basic definitions in economics;
PEU_W02 – knows basic definitions in management;

related to skills:
After the course, the student:

PEU_U01 – is able to interpret financial information about organization;
PEU_U02 – is able to make basic management decisions in organization on the basis of financial information;
PEU_U03 – is able to define, plan and control the realization of projects;
PEU_U04 – is able to make managerial decisions on the basis of mathematical models.

related to social competences:
After the course, the student:
PEU_K01 – is able to discuss the current position and development possibilities of an organization;
PEU_K02 – is able to present the arguments for selected managerial decisions.

PROGRAMME CONTENT		
Lecture		**Number of hours**
Lec 1	Financial information – balance sheet Financial information – revenues, expenditures, profit, cash flow Managerial accounting – variable and fixed cost Managerial accounting – breakeven point Managerial accounting – direct and indirect cost Managerial accounting – activity based costing Investment decisions – NPV, IRR, PI Mathematical models in managerial decisions Project definition Project planning Project control Budgeting	30
	Total hours	30

Classes		**Number of hours**
Cl 1	Financial information – balance sheet Financial information – revenues, expenditures, profit, cash flow Managerial accounting – variable and fixed cost Managerial accounting – break even point Managerial accounting – direct and indirect cost Managerial accounting – activity based costing Investment decisions – NPV, IRR, PI Mathematical models in managerial decisions Project definition Project planning Project control Budgeting Risk management	30
	Total hours	30

TEACHING TOOLS USED
N1. Diaporama presentations N2. Computational examples (EXCEL) N3. Open discussion of managerial problems

EVALUATION OF SUBJECT LEARNING OUTCOMES ACHIEVEMENT

Evaluation (F – forming during semester), P – concluding (at semester end)	Learning outcomes code	Way of evaluating learning outcomes achievement
F	PEU_K01, PEU_K02	Continuous evaluation of participation in the discussions
P	PEU_W01, PEU_W02, PEU_U01, PEU_U02, PEU_U03, PEU_U04, PEU_U01	Test at the end of the semester: minimum 50% of points

PRIMARY AND SECONDARY LITERATURE

PRIMARY LITERATURE:

1. J.K. SHIM, J.G. SIEGEL, THEORY AND PROBLEMS OF FINANCIAL ACCOUNTING, THE MCGRAW-HILL COMPANIES, INC., 1999
2. J.K. SHIM, J.G. SIEGEL, MANAGERIAL ACCOUNTING, THE MCGRAW-HILL COMPANIES, INC., 2012
3. PROJECT MANAGEMENT, VIBRANT PUBLISHERS, 2017

SECONDARY LITERATURE:

1. C.F. GRAY, PROJECT MANAGEMENT, 6E, THE MCGRAW-HILL COMPANIES, INC., 1999
2. D.H. MARSHALL, A SURVEY OF ACCOUNTING, IRWIN INC. 1983
3. H.P.WILLIAMS, MODEL BUILDING IN MATHEMATICAL PROGRAMMING, JOHN

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

Dorota KUCHTA e-mail: dorota.kuchta@pwr.edu.pl