

COURSE DESCRIPTION CARD

Bialystok University of Technology Faculty of Engineering Management									
Field of study	Management							Degree level and programme type	first degree/ second degree
Specialisation/ diploma path	-							Study profile	-
Course name	Computer tools in financial planning							Course code	IS-FM-00086S
								Course type	elective
Forms and number of hours of educational activities	L	C	LC	P	SW	FW	S	Semester	summer
		30						No. of ECTS credits	3
Entry requirements	-								
Course objectives	Presentation of the methodology of computer aided financial planning. Understanding the goals of financial planning and risk management in SME's. Learning fundamental principles, procedures and methods of computer aided financial planning and risk management.								
Course content	The financial planning in SME's. Tools and methods of computer aided financial planning. Investments efficiency. Interest rate. Simple and compound interest rates. Equivalent rates. Floating interest rates. Average rate. Discount. Calculation of credit and loan costs. Student loans. Currency risk – foreign currency credits and loans. The elements of investment analysis.								
Teaching methods	classes								
Assessment method	classes – exercises, assessment work during classes								
Symbol of learning outcome	Learning outcomes							Reference to the learning outcomes for the field of study	
	Knowledge: the graduate knows and understands								
L01	Understanding the goals of financial planning								
	Skills: the graduate is able to								
L02	Students identifies, classifies and analyses the elements of financial plan and uses computer software for data calculation								
L03	can calculate costs of banking products and services								
L04	knows a type of credits and loans student and is able to choose the best offer								
L05	Students know the limitations of their knowledge and are aware of the changes taking place on the financial								

	markets. Consequently, they understand the need to expand the knowledge and skills they already have.	
	Social competence: the graduate is ready to	
L06	applies ethical principles and norms during classes	
Symbol of learning outcome	Methods of assessing the learning outcomes	Type of tuition during which the outcome is assessed
L01	Student prepares a project and presentation on its results	C
L02	Student prepares a project and presentation on its results, assessment work during classes	C
L03	Student prepares a project and presentation on its results, assessment work during classes	C
L04	Student prepares a project and presentation on its results, assessment work during classes	C
L05	classes – evaluating the student's performance in classes	C
L06	classes – evaluating the student's performance in classes	C
Student workload (in hours)		No. of hours
Calculation	participation in classes	30
	preparation a project	25
	preparation for classes	15
	participation in consultations	5
	TOTAL:	75
Quantitative indicators		HOURS
		No. of ECTS credits
Student workload – activities that require direct teacher participation		30
Student workload – practical activities		75
Basic references	1. Fairhurst, D.S. (2019). Using Excel for Business and Financial Modelling: A Practical Guide. Chichester: Wiley. 2. Holden, C.W. (2014). Excel Modelling in Corporate Finance. Boston et al.: Pearson. 3. Lynch, P. (2017). Financial Modelling for Project Finance: Pre-financial close cashflow modelling in Excel. Lynch-Ayerst Publishing. Prager, J.K. (2015). Financial forecasting in Microsoft Excel. Washington: BuilderBooks.	
Supplementary references	1. Simonds, J. (2021). Excel 2021: A Complete Guide To Master Excel's Fundamentals And Understanding Of Advanced Features Such As Sampling Technique, Business Modelling And Numerous Methods Of Data Analysis. Independently published. 2. Häcker, J., Ernst, D. (2017). Financial Modeling: An Introductory Guide to Excel and VBA Applications in Finance. London: Palgrave Macmillan. 3. Day, A. (2012). Mastering Financial Modelling in Microsoft Excel. A Practitioner's Guide to Applied Corporate. Harlow et al.: Pearson.	
Organisational unit conducting the course	Department of Management, Economy and Finance	Date of issuing the programme

Author of the programme	dr hab. Zbigniew Korzeb, prof. PB	14.02.2022 r.
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L – lecture, C – classes, LC – laboratory classes, P – project, SW – specialization workshop, FW - field work, S – seminar