



SZKOŁA GŁÓWNA
GOSPODARSTWA
WIEJSKIEGO

Budgeting and Financial Modeling

Educational subject description sheet

Basic information

Field of study Finance and accounting - przedmioty do wyboru		Didactic cycle 2024/25	
Speciality -		Subject code EKRFA-FS_D.28K.06473.24	
Organizational unit Faculty of Economics		Lecture languages english	
Study level second cycle (post bachelor's degree)		Mandatory Elective subjects	
Study form full-time studies		Block Major subjects	
Education profile General academic		Disciplines Economics and finance	
Coordinator	Serhiy Zabolotnyy		
Teacher	Serhiy Zabolotnyy		
Period Semester 4	Examination Pass with grade	Number of ECTS points 3	
	Activities and hours Lecture: 20, including sub-activities: <ul style="list-style-type: none">• Synchronous lecture: 20 Auditorium exercises: 10, including sub-activities: <ul style="list-style-type: none">• Synchronous auditorium exercises: 10		

Goals

Code	Goal
C1	Present the theoretical framework of financial management in business entities
C2	Introduce practical instruments for capital budgeting and short-term financial planning
C3	Present the budgeting process in a business entity

Entry requirements

Corporate Finance, Accounting

Subject's learning outcomes

Code	Outcomes in terms of	Effects	Examination methods
Knowledge - Student knows and understands:			
W1	Students have knowledge of key areas of corporate financial management	FA_K2_W02	Test (written or computer based)
W2	Students know the process of budgeting in a business entity	FA_K2_W04	Test (written or computer based)
W3	Students have a knowledge of the purpose and structure of a budgeted financial statement	FA_K2_W04	Test (written or computer based)
Skills - Student can:			
U1	Students can solve complex financial management problems	FA_K2_U01	Test (written or computer based)
U2	Students can prepare an operating budget of a business entity	FA_K2_U02	Test (written or computer based)
U3	Students can prepare a budgeted financial statement of a company	FA_K2_U03	Test (written or computer based)
Social competences - Student is ready to:			
K1	Students effectively present arguments on applying budgeting techniques and other financial management instruments in business entities	FA_K2_K01	Test (written or computer based)
K2	Students are prepared to participate in financial planning and modeling using high business ethics and sustainability standards	FA_K2_K02	Test (written or computer based)

Study content

No.	Course content	Subject's learning outcomes	Activities
1.	Financial Statements and Ratio Analysis; Long-term Financial Plans, Operating Plans and Budgets, Cash and Profit Planning, Cash Budgets, Pro Forma Financial Statements; Capital Budgeting Techniques; Relevant Cash Flows, Initial Investment, Operating Cash Flow, Terminal Cash Flow, Forecasting Earnings, Revenue and Cost Estimates, Determining Free Cash Flow, Adjusting a Free Cash Flow, Project Analysis; Leverage and Capital Structure, Cost of Capital, Optimal Capital Structure, The Cost of Bankruptcy and Financial Distress, Capital Budgeting and Valuation with Leverage; Working Capital and Assets Management, Net Working Capital, Inventory and Receivables Management, Current Liabilities Management, Cash conversion cycle; Valuation Using Comparables, The Business Plan, Building the Financial Model, Estimating the Cost of Capital, Valuing the Investment, Sensitivity analysis.	W1, W2, W3, U1, U2, U3, K1, K2	Lecture, Auditorium exercises, Synchronous lecture, Synchronous auditorium exercises

Course advanced

Activities	Methods of conducting classes
Lecture	Lecture, Problem lecture, Conversation lecture
Auditorium exercises	Case study, Problem solving

Activities	Examination method	Percentage
Lecture	Test (written or computer based)	50%
Auditorium exercises	Test (written or computer based)	50%

Activities	Credit conditions
Lecture	written test- 50%
Auditorium exercises	written test- 50%

Literature

Obligatory

1. Principles of Managerial Finance, Lawrence J. Gitman, Chad J. Zutter, Pearson.
2. Corporate Finance, Jonathan Berk, Peter DeMarzo, Pearson.
3. A comparison of strategies for working capital management of listed food companies from Northern Europe, Serhiy Zabolotnyy, Timo Sipilainen, Agricultural and Food Science.

Calculation of ECTS points

Activity form	Activity hours*
Lecture	20

Auditorium exercises	10
Preparation for the exam	20
Preparation for exercises	20
Self-study on the content covered in class	20
Student workload	Hours 90
Number of ECTS points	ECTS 3

* hour means 45 minutes

Effects

Code	Content
FA_K2_K01	label.effect.prefix.competenceThe graduate is ready to recognition of the profound importance of knowledge in professional life, a critical analysis of its resources and the search for its sources among experts
FA_K2_K02	label.effect.prefix.competenceThe graduate is ready to conduct professional activity in a socially responsible, entrepreneurial, ethical and public interest manner, as well as develop professional achievements and maintain the ethos of the profession, as well as think in an entrepreneurial way
FA_K2_U01	label.effect.prefix.skillThe graduate is able to use the knowledge to a greater extent when selecting data sources, methods, tools, analyses and calculations in the field of phenomena in the field of finance and accounting, as well as for critical evaluation and interpretation of the results obtained
FA_K2_U02	label.effect.prefix.skillThe graduate is able to skilfully analyse the causes and effects of phenomena occurring in the economy in the field of finance and accounting
FA_K2_U03	label.effect.prefix.skillThe graduate is able to properly use normative systems, norms, rules for solving problems in the field of finance and accounting, formulating conclusions and opinions based on the results obtained
FA_K2_W02	label.effect.prefix.knowledgeThe graduate knows and understands in-depth data and processing methods appropriate for economics and finance
FA_K2_W04	label.effect.prefix.knowledgeThe graduate knows and understands directions and content of contemporary doctrines in economics and finance as well as enterprise theory and economic and financial terminology at an extended level