

**Field of study:**

**Management**

**Subject: Digital accounting packages**

Level of study: graduate studies

System of study: Full-time

Profile of studies: general academic

Subject: Digital accounting packages

### Form of classes and the ECTS points

	Number of hours	ECTS points	Credit
lectures	40		exam
exercises	10		credit with mark
Total	50	5	

### Aims of teaching

Student understands financial information - income statement, balance sheet, SCF (Statement of Cash Flow), main principles of management accounting, Annual Report.

Student can analyse financial information - main financial indicators, CAPEX, OPEX.

Understand what is Margin on fixed costs and variable costs - decisions regarding existing and new projects, main pitfalls.

Can recognize Overheads - allocation, main challenges, impact on profitability.

Making managerial decisions to improve business profitability.

Familiarizing student with additional financial information - business financing, planning and budgeting (process), synergies, risk identification.

Prepare student to interpreting financial documentation based on IFRS (International Finance Reporting Standards).

Preparing students to use of financial information to make marketing, operational, HR, accounting / accounting decisions, strategic investments.

Familiarize students with the usage of financial information to evaluate business efficiency.



## Intended learning outcomes

KNOWLEDGE		
SYMBOL	DESCRIPTION	REFERENCE TO THE PROFILE OUTCOME
P_W1	Recognizes main principles of management accounting, main financial indicators Characterizes business financing, planning and budgeting (process), synergies, risk identification.	Zarz_WG02_Mgr Zarz_WG03_Mgr
SKILLS		
SYMBOL	DESCRIPTION	REFERENCE TO THE PROFILE OUTCOME
P_U1	Analyses financial information. Uses financial information to evaluate business efficiency. Recognizes allocation, main challenges, impact on profitability.	Zarz_UW02_Mgr Zarz_UW03_Mgr Zarz_UW10_Mgr
SOCIAL COMPETENCES		
SYMBOL	DESCRIPTION	REFERENCE TO THE PROFILE OUTCOME
P_K1	Shows responsibility for decisions regarding existing and new projects, main pitfalls. Engages in interpretation of financial documentation.	Zarz_KK01_Mgr Zarz_KO04_Mgr

## Course content

NUMBER	DESCRIPTION	FORM OF CLASSES	NUMBER OF HOURS
1	How Technology Is Shaping the Future of Accounting. Accounting Software and Online apps. What is digital accounting? The Digital Transformation Of Accounting And Finance. Accounting Trends Of Tomorrow.	lectures exercises	5 / 7 2 / 7
2	What is Accounting? Why do we need Accounting? Definition of Accounting. Objective of accounting. 8 Branches of Accounting. The Building Blocks of Accounting.	lectures exercises	5 / 7 2 / 7
3	A financial statement analysis. Purpose of financial statement. Types of financial analysis. Introduction to financial statements. Tools and techniques of financial statement analysis. Comparative statement procedure. Interpretation of balance sheets. What is the Income Statement? What is a cash flow statement and projection? How to read an annual report?	lectures exercises	6 / 8 2 / 8

NUMBER	DESCRIPTION	FORM OF CLASSES	NUMBER OF HOURS
4	What is Break Event Point? Concept of economic value added. Weighted average cost of capita (WACC). Net present value overview. NPV and IRR. Analysis of financial statement. EBIT vs. EBITDA vs. Net income, how they are different? The groups and use of financial ratios. Analysis of liquidity. Activity, profitability and debt analysis. DuPont system of analysis.	lectures exercises	6 / 8 2 / 8
5	Key financial metrics and ratios. Decomposition of ROA. The effect of financial leverage. Limitations of ratio analysis. Steps involved in ratio analysis. Cost of Capital and Investment Theory. Cost of debt and equity. Dividend capitalization model approach. Cost of capital and investment decision. Capital Expenditures vs. Operating Expenses: What's the Difference? Working Capital Management.	lectures exercises	6 / 8 2 / 8
6	Financial Risk Management. What is Risk? Risk Stratification. Strategic Impact of Price Volatility. Steps to Risk Identification. Hedging Strategy. Agency Costs. Capital Asset Pricing Model. Measuring Interest Rate Risk. Explanatory Models.	lectures	6 / 6
7	Measuring Volatility. Price-Generating Process. What is value at risk (VaR)? Spot Discount Rates. Bonds: Spot Rates vs. Yield to Maturity. What is DELPHI METHOD? Modeling Credit Risk. Z-score models. Forecasting.	lectures	6 / 6

## Conditions of completion

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### LECTURES

TYPE OF CREDIT	CREDIT INFLUENCE (IN %)
Exam (for the lecturers only)	100

### EXERCISES

TYPE OF CREDIT	CREDIT INFLUENCE (IN %)
Exercises final credit	100

## Teaching methods

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- brain storming
- case studies
- discussion
- exercises
- groupworks
- lectures with discussions
- presentations

## Reading (compulsory)

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- John Leslie Livingstone, Theodore Grossman. The Portable MBA in Finance and Accounting 2002

## Reading (additional)

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- Milano, Duane. Accounting I Essentials 2012
- Milano, Duane. Accounting II Essentials 2012
- Floyd A. Beams. ADVANCED ACCOUNTING 2018

## Odniesienie efektów przedmiotowych do efektów kierunkowych, treści kształcenia, metod weryfikacji

SYMBOL	REFERENCE OF A GIVEN OUTCOME TO THE PROFILE OUTCOME	REFERENCE OF A GIVEN OUTCOME TO THE COURSE CONTENT	REFERENCE OF A GIVEN OUTCOME TO THE VERIFICATION METHODS
<b>KNOWLEDGE</b>			
P_W1	Zarz_WG02_Mgr Zarz_WG03_Mgr	1 2 3 4 5 6 7	
SYMBOL	REFERENCE OF A GIVEN OUTCOME TO THE PROFILE OUTCOME	REFERENCE OF A GIVEN OUTCOME TO THE COURSE CONTENT	REFERENCE OF A GIVEN OUTCOME TO THE VERIFICATION METHODS
<b>SKILLS</b>			
P_U1	Zarz_UW02_Mgr Zarz_UW03_Mgr Zarz_UW10_Mgr	1 2 3 4 5 6 7	
SYMBOL	REFERENCE OF A GIVEN OUTCOME TO THE PROFILE OUTCOME	REFERENCE OF A GIVEN OUTCOME TO THE COURSE CONTENT	REFERENCE OF A GIVEN OUTCOME TO THE VERIFICATION METHODS
<b>SOCIAL COMPETENCES</b>			
P_K1	Zarz_KK01_Mgr Zarz_KO04_Mgr	1 2 3 4 5 6 7	