

POLTAVA UNIVERSITY OF ECONOMICS AND TRADE

Educational and Scientific Institute of Business and Modern Technologies
Accounting and auditing chair

APPROVE

Head of Department

_____ Y.A. Karpenko

«02» September 2021

WORKING PROGRAM

discipline «Managerial accounting»

specialty 075 «Marketing», 073 «Management»

branch of knowledge 07 «Management and administration»

specialty 241 «Hotel and restaurant business»

branch of knowledge 24 «Service sector»

bachelor's degree

The working program of the discipline "Management Accounting" is approved and recommended for use in the educational process at a meeting of the Department of Accounting and Auditing.

Protocol «02» September 2021, № 1.

Poltava 2021

Compiler: Prokhar N.V., Associate Professor of Accounting and Auditing, Ph.D.

AGREED:

Guarantor of the educational program of specialty «Marketing» bachelor's degree

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AGREED:

Guarantor of the educational program of specialty «Management» bachelor's degree

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Guarantor of the educational program of specialty «Hotel and restaurant business» bachelor's degree

_____ T.V. Kaplina

«02» September 2021.

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Chapter 1. Description of the discipline

Table 1 - Characteristics of the discipline

Place in the structural-logical scheme	<i>Prerequisite: Economic theory, Microeconomics.</i> <i>Postrequisites: Enterprise marketing, Economics of management, Controlling in management.</i>		
Language of studying	English language		
Discipline status: variable			
Course and semester of study:		2 course, 3 semester; 3 course, 5 semester; 4 course, 7 semester	
Number of ECTS credits / number of modules		5/2	
Full-time study:			
Number of hours: – total number: 1 semester - 150, 2 semester - ____			
- lectures: 20			
- practical classes: 40			
- independent work: 90			
- final control: test			

Chapter 2. List of competencies and program learning outcomes

The purpose of discipline «Managerial accounting» is providing knowledge and skills of organization and methods of management accounting and costing of products, its improvement and application in the practical work of business entities.

Tasks of the discipline «Managerial accounting»:

- disclosure of the essence and methods of management accounting, its place and role in the management of the enterprise;
- the formation of skills to apply appropriate methods and techniques in the process of cost accounting and costing in order, budgeting and analysis of income, expenses and financial results to make effective management decisions.

Table 2 - The list of competencies provided by this discipline, program learning outcomes

Program learning outcomes	Competences that must be mastered by the applicant
<ul style="list-style-type: none"> •Form and analyze financial, management, tax and statistical reporting of enterprises and correctly interpret the information obtained for management decisions; •Understand the organizational and economic mechanism of enterprise management and evaluate the effectiveness of decision-making using accounting and analytical information; •Be able to work both independently and in a team, show leadership qualities and responsibility in work, adhere to ethical principles, respect individual and cultural diversity. 	<ul style="list-style-type: none"> • Ability to learn and master modern knowledge; • Ability to abstract thinking, analysis and synthesis; • Ability to work in a team; • Ability to work autonomously; • Ability to act on the basis of ethical considerations (motives); • Ability to be critical and self-critical; • Knowledge and understanding of the subject area and understanding of professional activity; • Ability to communicate in a foreign language; • Skills in using modern information systems and communication technologies; • Ability to conduct research at the appropriate level; • Use mathematical tools to study socio-economic processes, solving applied problems in the field of accounting, analysis, control, audit, taxation; • Ability to display information about business transactions of business

Program learning outcomes	Competences that must be mastered by the applicant
	<p>entities in financial and management accounting, their systematization, generalization in reporting and interpretation to meet the information needs of decision makers;</p> <ul style="list-style-type: none"> • Carry out accounting procedures using specialized information systems and computer technology; • Identify and assess the risks of failure to achieve management objectives of the entity, non-compliance with legislation and regulation, inaccuracy of reporting, preservation and use of its resources; • Ability to apply ethical principles in the performance of professional duties.

Chapter 3. The program of the discipline

MODULE 1. Theoretical and methodological foundations of management accounting

Theme 1. The nature and purpose of management accounting

The nature of management accounting. The purpose of management accounting. The differences between data and information. Characteristics of good information. The type of accounting. The differences between management accounting and financial accounting. The functions of management accounting. The limitations of management accounting. Management control systems.

Theme 2. Cost classification

The nature and types of costs. Classifications of manufacturing costs. Classifications of nonmanufacturing costs. Cost classifications for predicting cost behavior. Cost classifications for decision making. Other cost classifications. Cost units, cost objects and responsibility centers.

Theme 3. Cost behavior

Cost behavior and decision making. Cost behavior principles. Variable costs. Fixed costs. Mixed costs. Cost behavior and cost control. Cost behavior and budgeting. High-low method.

MODULE 2. Methods of cost accounting and costing

Theme 4. Material costs

The inventory control. The ordering, receipt and issue of raw materials. The storage of raw materials. Inventory control levels. Accounting for material costs.

Theme 5. Labor costs

Measuring labor activity. Remuneration methods. Recording labor costs. Labor turnover. Accounting for labor costs.

Theme 6. Overheads and absorption

Overheads. Absorption costing. Overhead allocation. Overhead apportionment. Overhead absorption. Blanket absorption rates and departmental absorption rates. Over and under absorption of overheads. Ledger entries relating to overheads. Non-manufacturing overheads.

Theme 7. Marginal and absorption costing

Marginal cost and marginal costing. The principles of marginal costing. Marginal costing and absorption costing and the calculation of profit. Reconciling profits. Marginal costing versus absorption costing.

Theme 8. Process costing

Process costing. Normal loss. Abnormal loss. Abnormal gain. Work in progress (WIP). Scrap value. Equivalent units.

Theme 9. Budgeting

Budgetary planning and control systems. The preparation of budgets. The responsibility for preparing budgets. The sales budget. Production and related budgets. Fixed and flexible budgets.

Theme 10. Theme 10. Standard costing

Standard costing. Direct material prices. Direct labor rates. Overhead absorption rates. Standard resource requirements. Setting standards. Types of performance standard.

Theme 11. Cost-volume-profit (CVP) analysis

CVP analysis and breakeven point. The contribution to sales (C/S) ratio. The margin of safety. Breakeven arithmetic and profit targets. Breakeven charts, contribution charts and profit/volume charts. Limitations of CVP analysis.

Theme 12. Relevant costing and decision-making

Relevant costs. Non-relevant costs. Avoidable costs. Differential costs and opportunity costs. Controllable and uncontrollable costs. Discretionary fixed costs. Sunk costs. Attributable fixed costs. General fixed overheads. Choice of product (product mix) decisions.

Chapter 4. Thematic plan for studying the discipline

Table 3 - Thematic plan of the discipline «Managerial accounting» (full-time study)

Topic title (lectures) and topic questions (lectures)	Number of hours	Title of the topic and questions of the seminar, practical or laboratory lesson	Number of hours	Tasks of independent work on topics	Number of hours
MODULE 1. Theoretical and methodological foundations of management accounting					
<u>Lecture 1. The nature and purpose of management accounting</u> 1. Characteristics of good information. 2. The type of accounting. 3. The nature and purpose of management accounting. 4. The functions and limitations of management accounting. 5. Planning, control and decision-making.	2	<u>Practical lesson 1. The nature and purpose of management accounting</u> 1. Characteristics of good information. 2. The type of accounting. 3. The nature and purpose of management accounting.	2	Perform tasks for independent work	2
		<u>Practical lesson 2. The nature and purpose of management accounting</u> 1. The functions and limitations of management accounting. 2. Planning, control and decision-making.	2	Perform tasks for independent work	4
<u>Lecture 2. Cost classification</u> 1. The nature and types of costs. 2. Classifications of manufacturing and nonmanufacturing costs. 3. Cost classifications for predicting cost behavior. 4. Cost classifications for decision making. 5. Other cost classifications, cost units, cost objects and responsibility centers.	1	<u>Practical lesson 3. Cost classification</u> 1. The nature and types of costs. 2. Classifications of manufacturing and nonmanufacturing costs. 3. Cost classifications for predicting cost behavior. 4. Cost classifications for decision making. 5. Other cost classifications, cost units, cost objects and responsibility centers.	2	Perform tasks for independent work	6
<u>Lecture 3. Cost behavior</u> 1. Cost behavior and decision making. 2. Variable costs, fixed costs, mixed costs. 3. High-low method.	1	<u>Practical lesson 4. Cost behavior</u> 1. Cost behavior and decision making. 2. Variable costs, fixed costs, mixed costs.	2	Perform tasks for independent work	4
		<u>Practical lesson 5. Cost behavior</u> 1. Cost behavior and cost control. 2. High-low method. 3.	2	Perform tasks for independent work	4

MODULE 2. Methods of cost accounting and costing					
<u>Lecture 4. Material costs</u> 1. The inventory control. 2. The ordering, receipt and issue of raw materials. 3. The storage of raw materials. 4. Inventory control levels. 5. Accounting for material costs.	1	<u>Practical lesson 6. Material costs</u> 1. The inventory control. 2. The ordering, receipt and issue of raw materials. 3. The storage of raw materials.	2	Perform tasks for independent work	4
		<u>Practical lesson 7. Material costs</u> 1. Inventory control levels. 2. Accounting for material costs.	2	Perform tasks for independent work	4
<u>Lecture 5. Labor costs</u> 1. Measuring labor activity. 2. Remuneration methods. 3. Recording labor costs. 4. Labor turnover. 5. Accounting for labor costs.	1	<u>Practical lesson 8. Labor costs</u> 1. Measuring labor activity. 2. Remuneration methods. 3. Recording labor costs.	2	Perform tasks for independent work	4
		<u>Practical lesson 9. Labor costs</u> 1. Labor turnover. 2. Accounting for labor costs.	2	Perform tasks for independent work	4
<u>Lecture 6. Overheads and absorption</u> 1. Overheads and absorption costing. 2. Overhead allocation and overhead apportionment. 3. Overhead absorption. 4. Blanket absorption rates and departmental absorption rates. 5. Over and under absorption of overheads. 6. Ledger entries relating to overheads. 7. Non-manufacturing overheads.	2	<u>Practical lesson 10. Overheads and absorption</u> 1. Overheads and absorption costing. 2. Overhead allocation and overhead apportionment. 3. Overhead absorption. 4. Blanket absorption rates and departmental absorption rates.	2	Perform tasks for independent work	4
		<u>Practical lesson 11. Overheads and absorption</u> 1. Over and under absorption of overheads. 2. Ledger entries relating to overheads. 3. Non-manufacturing overheads.	2	Perform tasks for independent work	4
<u>Lecture 7. Marginal and absorption costing</u> 1. Marginal cost and marginal costing. 2. The principles of marginal costing. 3. Marginal costing and absorption costing and the calculation of profit. 4. Reconciling profits.	2	<u>Practical lesson 12. Marginal and absorption costing</u> 1. Marginal cost and marginal costing. 2. The principles of marginal costing.	2	Perform tasks for independent work	4
		<u>Practical lesson 13. Marginal and absorption costing</u>	2	Perform tasks for independent work	4

5. Marginal costing versus absorption costing.		1. Marginal costing and absorption costing and the calculation of profit. 2. Reconciling profits. 3. Marginal costing versus absorption costing.			
<u>Lecture 8. Process costing</u> 1. Process costing. 2. Normal loss and abnormal loss. 3. Abnormal gain. 4. Work in progress (WIP). 5. Scrap value. 6. Equivalent units.	2	<u>Practical lesson 14. Process costing</u> 1. Process costing. 2. Normal loss and abnormal loss. 3. Abnormal gain.	2	Perform tasks for independent work	6
		<u>Practical lesson 15. Process costing</u> 1. Work in progress (WIP). 2. Scrap value. 3. Equivalent units.	2	Perform tasks for independent work	4
<u>Lecture 9. Budgeting</u> 1. Budgetary planning and control systems. 2. The preparation of budgets and the responsibility for preparing budgets. 3. The sales budget. 4. Production and related budgets. 5. Fixed and flexible budgets.	2	<u>Practical lesson 16. Budgeting</u> 1. Budgetary planning and control systems. 2. The preparation of budgets and the responsibility for preparing budgets.	2	Perform tasks for independent work	4
		<u>Practical lesson 17. Budgeting</u> 1. The sales budget. 2. Production and related budgets. 3. Fixed and flexible budgets.	2	Perform tasks for independent work	6
<u>Lecture 10. Standard costing</u> 1. Standard costing. 2. Direct material prices and direct labor rates. 3. Overhead absorption rates. 4. Standard resource requirements. 5. Setting standards. 6. Types of performance standard.	2	<u>Practical lesson 18. Standard costing</u> 1. Standard costing. 2. Direct material prices and direct labor rates. 3. Overhead absorption rates. 4. Standard resource requirements. 5. Setting standards. 6. Types of performance standard.	2	Perform tasks for independent work	6
<u>Lecture 11. Cost-volume-profit (CVP) analysis</u> 1. CVP analysis and breakeven point. 2. The contribution to sales (C/S) ratio. 3. The margin of safety. 4. Breakeven arithmetic and profit targets. 5. Breakeven charts, contribution charts and	2	<u>Practical lesson 19. Cost-volume-profit (CVP) analysis</u> 1. CVP analysis and breakeven point. 2. The contribution to sales (C/S) ratio. 3. The margin of safety. 4. Breakeven arithmetic and profit targets.	2	Perform tasks for independent work	6

profit/volume charts. 6. Limitations of CVP analysis.		5. Breakeven charts, contribution charts and profit/volume charts. Limitations of CVP analysis.			
<u>Lecture 12. Relevant costing and decision-making</u> 1. Relevant costs and non-relevant costs. 2. Avoidable costs, differential costs and opportunity costs. 3. Controllable and uncontrollable costs. 4. Discretionary fixed costs, sunk costs. 5. Attributable fixed costs and general fixed overheads. 6. Choice of product (product mix) decisions.	2	<u>Practical lesson 20. Relevant costing and decision-making</u> 1. Relevant costs and non-relevant costs. 2. Avoidable costs, differential costs and opportunity costs. 3. Controllable and uncontrollable costs. 4. Discretionary fixed costs, sunk costs. 5. Attributable fixed costs and general fixed overheads. 6. Choice of product (product mix) decisions.	2	Perform tasks for independent work	6
Total	20	Total	40	Total	90

Chapter 5. Assessment of learning outcomes

Table 4 – Distribution of points according to the results of studying the discipline «Managerial accounting»

Type of work	Maximum number of points
Module 1 (themes 1-3): performance of educational tasks (5 points); tasks of independent work (5 points); testing (5 points); current module work (15 points)	30
Module 2 (themes 4-12): performance of educational tasks (20 points); tasks of independent work (20 points); testing (15 points); current module work (15 points)	70
Total	100

Table 5 - Scale for assessing the knowledge of higher education students based on the results of the study of the discipline «Managerial accounting»

The sum of points for all types of educational activities	ECTS scale score	Score on a national scale
90-100	A	Perfectly
82-89	B	Very good
74-81	C	Fine
64-73	D	Satisfactorily
60-63	E	Satisfactory enough
35-59	FX	Unsatisfactory with the possibility of reassembly
0-34	F	Unsatisfactory with compulsory re-study of the discipline

Chapter 6. Information sources BASIC

1. Horngren, Charles T., Cost accounting: a managerial emphasis / Charles T. Horngren, Srikant M. Datar, Madhav V. Rajan. -- 14th ed. p. cm.
2. Drury Colin. Management and cost accounting. Cengage learning emea, 2007. – 775 p.
3. Boyd Ken. Cost Accounting For Dummies ® Published by John Wiley & Sons. [Electronic resource]. – Access mode : https://www.academia.edu/23292423/Cost_Accounting_For_Dummies_-_Boyd_Kenneth.
4. Bhimani Alnoor. Management and cost accounting. [Electronic resource]. – Access mode: https://www.academia.edu/9421043/Alnoor_Bhimani_Management_and_cost_accounting.
5. Carl S. Warren, James M. Reeve, Jonathan E. Duchac. Financial and managerial accounting [Electronic resource]. - 14th ed. p. cm.
6. Fomina O. Trading enterprise management reporting system / O. Fomina // Herald KNTU. – 2014. – № 6. – S. 37–45.

7. Global Management Accounting Principles – 2014 [Electronic resource]. – Access mode: www.glavbukh.ru Cokins G.
8. Top 7 Trends in Management Accounting. P. 1 / Gary Cokins // Strategic finance. – 2013. – № 12. – P. 21–29. [Electronic resource]. – Access mode: <https://sfmagazine.com/wp-content/uploads/sfarchive/2013/12/Top-7-Trends-in-Management-Accounting.pdf>.
9. Hilton Ronald W. Managerial Accounting / Hilton Ronald W. — 4th ed .- Boston :Irwin/McGraw-Hill, 1999. – 816 p.
10. Karpenko O. Responsibility Accounting as Strength of Management Accounting / O. Karpenko, D. Karpenko // Ovidius University Annals. Economic Sciences. Volume XIII, Issue 2. – Constanta, 2013. – P. 610 – 615.

ADDITIONAL

1. Akansha Jain, Svitlana Denga. Forex risk management for multinationals: internal and external Hedging techniques // ИКОНОМИКАТА НА БЪЛГАРИЯ И ЕВРОПЕЙСКИЯ СЪЮЗ – НАУКА И БИЗНЕС ФИНАНСОВА ПОЛИТИКА, ФИНАНСОВИ ПАЗАРИ, БАНКОВО ДЕЛО, ИНВЕСТИЦИИ, ЗАСТРАХОВАНЕ И СОЦИАЛНО ОСИГУРЯВАНЕ. МЕНИДЖМЪНТ, МАРКЕТИНГ И ПРЕДПРИЕМАЧЕСТВО, КОРПОРАТИВЕН КОНТРОЛ И РАЗВИТИЕ НА БИЗНЕСА В БЪЛГАРИЯ И В ЕС: Колективна монография. - София, 2017. – 280 p. – P. 51–61. – Режим достъпа: <http://dspace.puet.edu.ua/handle/123456789/5985>.
2. Baranovska T. V. Effectiveness of enterprise depreciation policy: the accounting aspect / T. V. Baranovska, O. V. Ivanenko, I. R. Polishchuk // Актуальні проблеми економіки. – 2016. – № 1. – P. 306–311.
3. Bielawski P. Value measures in accounting and valuating financial instruments / P. Bielawski // Актуальні проблеми економіки. – 2016. – № 1. – P. 312–322.
4. Denga S. Management of cause-and-effect relationships of investment efficiency in the trading business of Ukraine // 1-st Dubrovnik International Economic Meeting - DIEM 2013 “Scientific Conference on Innovative Approaches to the Contemporary Economic Problems”, Abstracts of the Proceedings (with the CD-ROM). – Dubrovnik, Croatia: University of Dubrovnik, Department of Economics and Business Economics, 27th-29th September 2013. – P. 95. – Режим достъпа: <http://www.diem-dubrovnik.com/diem/index.php/diem/index/pages/view/proceedings>.
5. Kulyk V., Chyzhevska L. Features of E-business' Activity: European Experience // Cross-cultural and economic aspects of development of European integration processes – 2016: materials of international scientific and practical seminar (Kosice, 4-8 April, 2016). – K.: Executive typography «Azбука», 2016. –103 p. – P. 59-61.
6. Kulyk V.A., Škodová Parmová D. E-business Development: The Comparative Study of the Czech Republic and the Ukraine // Deturope, 2017. Issue 1, volume 9. – P. 80-110.
7. Marchuk U. Relationship of operational control and operational accounting [Electronic resource] / U. Marchuk // Економічний часопис—XXI. – 2016. – № 161 (9/10). – P. 91–94.

8. Zamecnik R. The qualitative indicators in human resource accounting / R. Zamecnik // Маркетинг і менеджмент інновацій. – 2016. – № 4. – Р. 325–341.
9. Web-site <https://www.ifrs.org>.

Chapter 7. Course software

- Microsoft Office software package.
- Accounting service Oblik SAAS.