



SYLLABUS “ACCOUNTING AND ECONOMIC ANALYSIS”

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Department responsible for the course or equivalent: Institute of Management in Economic, Ecological and Social Systems; Department of Business Economics

Semester when the course unit is delivered: 4th and 5th

Level of course unit: Bachelor level

ECTS credits: 8 / 4 and 4

ADMISSION REQUIREMENTS

Applicants are expected to have completed the following course:

- Mathematics;
- Business Economics;
- Statistics.

COURSE OBJECTIVES (AIMS)

The aim of the course is the formation of general cultural and professional competencies, the acquisition and improvement of theoretical knowledge and practical skills, including in terms of the methodology and organization of management accounting in enterprises of various ownership forms, the use of internal accounting information for managerial decisions and economic analysis.

Course objectives:

- to learn how to apply the mechanisms of managerial accounting and economic analysis for managing goods distribution, its accounting and optimization, minimizing loss of goods, costs of material and labor resources;
- to consider possible mechanisms for organizing the material and technical supply of the enterprise, technology and the organization of the purchase and sale (sale) of goods;
- to learn how to use statistical tools to ensure distribution of goods, its accounting, minimizing distribution costs, including commodity losses;
- to study the issues of regulation and control of the conditions and terms of storage of goods, conducting an inventory, determining and writing off losses;
- to consider possible tools for the collection, storage, processing, analysis and evaluation of information necessary for the organization and management of commercial, logistic and merchandising activities;
- to learn how to compile documentation in the field of professional activity (commercial logistics and (or) merchandising) and verify the correctness of its design;
- to study the organization and planning of material and technical support of the enterprise, the purchase and sale (sale) of goods;
- to learn how to apply management accounting and economic analysis mechanisms for inventory management and optimization;



- to learn to analyze and evaluate professional activities (commercial, marketing, advertising, logistics and (or) merchandising) using management accounting and economic analysis tools to develop an enterprise strategy;
- to learn how to conduct research on specific sections of the topics (stages, tasks) in accordance with approved methods;
- to study the mechanisms of managerial accounting and economic analysis for the development of projects of trade and technological processes and systems in the field of commerce, including using information technology;
- to learn to take part in the implementation of projects in the field of commerce and commodity science.

COURSE CONTENTS

Module 1. Accounting. Part 1

Topic 1. Management accounting as an economic practice

- The emergence of management accounting, the international practice of separating management accounting from the general accounting system;
- The nature and purpose of management accounting; subject field of management accounting;
- Fundamentals of the theory of management accounting.

Topic 2. Management accounting as a system of information exchange in the organization

- Business environment and organization management;
- Management accounting and management decision making;
- Organization of management accounting in the organization.

Topic 3. Classification of costs. Accounting and distribution of indirect costs

- Cost classification methods; organization of distribution of indirect costs;
- Attribution of indirect costs to products;
- Specific issues of distribution of indirect costs;
- Distribution of indirect costs in the management of costs by function.

Topic 4. Costing as a system of economic calculations

- Classification of approaches to costing for the purposes of compiling external reports;
- The choice of methods and approaches to costing;
- Costing with different ways of organizing the production process;
- Costing of full and variable costs;
- Standard costs and standard costing.

Module 2. Accounting. Part 2

Topic 5. Budgeting in the organization's planning system

- The role of planning in the organization's activities;
- The nature of budgets and their need for organization;
- Organization of budgeting;
- Responsibility centers;
- Types of budgets.

Topic 6. The practice of building budgets

- The master budget of the organization;
- Functional budgets;
- Financial budgets.

Topic 7. Budget control and deviation analysis

- Forms and types of control; deviation management;
- Flexible budgets as a control tool;
- Details of budget deviations;
- Interpretation of deviations;
- Possible problems of introducing control over deviations.



Topic 8. The use of accounting information in the process of managerial decision-making

- Break-even analysis of single-product and multi-product production;
- Analysis of the sensitivity of profit to changes in the structure of income and expenses of the organization;
- Analysis of limiting factors and assortment planning;
- Company production risk;
- Making specific decisions based on relevant costs; making decisions on capital investments.

Module 3. Economic analysis. Part 1.

Topic 1. The essence of economic analysis

- Features of the historical development of economic analysis in Russia and the world; subject, goals and objectives of economic analysis;
- Types of economic analysis, their classification;
- Indicators of economic analysis and methods of their calculation;
- Methods, techniques and methods of economic analysis, their classification.

Topic 2. Analysis in the marketing system

- Theoretical aspects of marketing analysis in the complex analysis system;
- Goals and content of marketing research;
- Objects of marketing analysis;
- Marketing analysis methods;
- Marketing analysis technique.

Topic 3. A comprehensive assessment of the economic potential of the organization

- Comprehensive economic analysis and assessment of the effectiveness of the use of fixed assets;
- Comprehensive economic analysis and assessment of the composition, structure and dynamics of current assets;
- Comprehensive economic analysis of the resource potential of the organization and the effectiveness of its use;
- Comprehensive economic analysis and assessment of the effectiveness of the use of labor resources;
- Comprehensive economic analysis and assessment of the effectiveness of the use of the organization's inventories;
- Comprehensive analysis of the financial results of the enterprise.

Module 4. Economic analysis. Part 2.

Topic 4. Management decision-making based on marginal analysis

- The concept and significance of marginal analysis; profit margin analysis methodology; margin analysis of profitability indicators;
- The validity of the decision to "produce" or "buy";
- Substantiation of a production technology option;
- Choice of solutions taking into account resource constraints.

Topic 5. Analysis of the volume and effectiveness of investment activity

- Analysis of the volume of investment activity;
- Retrospective assessment of the effectiveness of real investments;
- Forecasting the effectiveness of investment activity;
- Analysis of internal profitability and duration of investments; analysis of the effectiveness of financial investments;
- Analysis of the effectiveness of leasing operations.

Topic 6. Analysis of the financial condition of the enterprise

- Analysis of sources of capital formation;
- Analysis of capital allocation and assessment of the property status of the enterprise;
- Analysis of the effectiveness and intensity of capital utilization of the enterprise;
- Analysis of profitability of the enterprise and business activity;
- Analysis of liquidity and solvency of the enterprise;
- Solvency analysis and diagnosis of the bankruptcy risk of an enterprise;
- Assessment of the financial stability of the enterprise in terms of short-term prospects;
- Assessment of the financial stability of the enterprise in terms of long-term prospects.

LEARNING OUTCOMES

Knowledge:

- possible mechanisms for organizing the material and technical supply of the enterprise, technology and the organization of the purchase and sale (sale) of goods; organization and planning of material and technical support of the enterprise, purchase and sale (sale) of goods;
- apply statistical mechanisms for the development of projects of trade and technological processes and systems in the field of commerce using information technology; management accounting mechanisms and economic analysis for the development of projects of trade and technological processes and systems in the field of commerce, including using information technology;
- issues of regulation and control of the conditions and terms of storage of goods, conducting an inventory, determining and writing off losses.

Skills:

- to apply management accounting and economic analysis mechanisms for managing goods distribution, its accounting and optimization, minimizing the loss of goods, the cost of material and labor resources;
- to take part in the implementation of projects in the field of commerce and commodity science; apply management accounting and economic analysis mechanisms for inventory management and optimization;
- to compilation of documentation in the field of professional activity (commercial logistics and (or) merchandising) and verification of the correctness of its design.

Experience:

- to apply statistical tools to ensure distribution of goods, its accounting, minimize distribution costs, including commodity losses;
- to use of tools for the collection, storage, processing, analysis and evaluation of information necessary for the organization and management of commercial, logistics and merchandising activities; conducting scientific research on separate sections of topics (stages, tasks) in accordance with approved methods;
- to provision of goods distribution, its accounting, minimization of distribution costs, including commodity losses; analyze and evaluate professional activities (commercial, marketing, advertising, logistics and (or) merchandising) using management accounting and economic analysis tools to develop an enterprise strategy.

PLANNED LEARNING ACTIVITIES AND TEACHING METHODS

Interim attestation: 4th semester – Pass/fail Exam; 5th semester – Exam

Comprehensive development of student discipline involves:

- students' presentations with pre-prepared abstracts on problem-oriented topics formulated by the lecturer, after which the audience discusses their level and, if necessary, answers are supplemented, or their shortcomings are noted under the guidance of the lecturer conducting the seminar;
- problem solving;
- control classes (testing on module topics, student's recitation).

Criteria for evaluation:

Testing

- 10 points for 24-25 correct answers;
- 9 points for 22-23 correct answers;
- 8 points for 19-21 correct answers;
- 7 points for 17-18 correct answers;
- 6 point for 14-16 correct answers;
- 5 points for 12-13 correct answers;
- 4 points for 9-11 correct answers;
- 3 points for 7-8 correct answers;
- 2 points for 4-6 correct answers;
- 1 point for 2-3 correct answers;
- 0 point for 0-1 correct answers.

Abstracts

- 5 points – Relevance, purpose and objectives: the problem is clearly identified and its relevance is justified, the goal is formulated, the research objectives are defined. Structure: the text is divided into sections, there are no errors in text structuring. Design: volume is maintained, requirements for external design are met. The text contains at least one figure and one table. References: The requirements of GOST 7.32-2001 and GOST 7.0.5-2008 with respect to bibliography and references are met. References include textbooks, scientific and popular science journals, legal acts, and links to electronic publications. The age of the sources is not older than 10 years. Text quality: a problem analysis was carried out involving several sources of literature, its own position was logically stated, conclusions were drawn, the topic was fully disclosed, links to sources from the list of literature were indicated. Protection: demonstrates a complete understanding of the described problem, gives correct answers to all questions on the topic of the essay, presents a high-quality presentation;
- 4 points – Relevance, purpose and objectives: the problem is not clearly defined, there is a rationale for its relevance, a goal is formulated, research objectives are defined. Structure: the text is divided into sections, there are no gross errors in text structuring. Design: the text of the abstract is framed with minor violations of the design requirements set forth in this document, the volume is maintained. The text contains at least one figure and one table. References: when compiling an abstract, most of the requirements of GOST 7.32-2001 and GOST 7.0.5-2008 with respect to bibliography and references are met. References include textbooks, scientific and popular science journals, legal acts, and links to electronic publications. The age of the sources is not older than 10 years. Text quality: a problem analysis was carried out involving several sources of literature, its own position was logically stated, conclusions were drawn, the topic was fully disclosed, links to sources from the list of literature were indicated. Protection: demonstrates a significant understanding of the problem, answers are not given to all questions or answers are incomplete, there are minor flaws in the presentation
- 3 points – Relevance, purpose and objectives: the relevance of the problem is insufficiently substantiated, the purpose and objectives of the study are not formulated. Structure: the text is divided into sections, there are errors in text structuring. Design: The text of the

abstract is framed with violations of the design requirements set forth in this document, the volume is not met, there are no figures and tables. References: when compiling the abstract, the requirements of GOST 7.32-2001 and GOST 7.0.5-2008 with respect to bibliography and references are partially observed. The list of references is framed with violations of the quality and age requirements of the sources. Text quality: the analysis of the problem was carried out according to one source of literature, there are no conclusions, the topic is not fully disclosed. Protection: demonstrates a partial understanding of the problem, answers are given only to basic questions, the presentation is presented with significant violations

- 0-2 points – Relevance, purpose and objectives: there is clearly no justification for the relevance of the problem, the purpose and objectives of the study. Structure: the text is not divided into sections or there are gross errors in structuring the text. Design: the text of the abstract is framed with gross violations of the design requirements set forth in this document. References: during the preparation of the abstract, the requirements of the standards GOST 7.32-2001 and GOST 7.0.5-2008 with respect to bibliography and references are either not complied with or there is no list of references. Text quality: the topic is not disclosed, the requirements for the task are not fulfilled. Protection: demonstrates a lack of understanding of the problem, there are no answers to questions or answers are incorrect, there are obvious violations in the presentation.

Problem solving

Grading is carried out according to the following principle: 1 point for each correctly solved problem in a seminar by the first three students. Maximum – 15 points.

Student's recitation

Evaluation of the results of a Student's recitation is carried out according to a point system: 4 points for each correct answer to one of 5 questions. Maximum – 20 points.

- 4 points – the correct and comprehensive answers to the question are given;
- 3 points – given the correct, in general, the answers to the whole question, however, there are insignificant comments on the completeness of the answer;
- 2 points – there are significant comments on the completeness and quality of the presentation of the material or some of the issues remained unresolved;
- 1 point – the answer to the question is episodic;
- 0 point – there is no answer to the question or the answer is incorrect

Exam

- An "excellent" grade is given to a student, if he or she demonstrates full understanding of the issue mentioned in the questions.
- A "good" grade is given to a student, if he or she demonstrates high understanding of the issue mentioned in the questions. There are some inaccuracies in the answer. A total "good" grade is also given for examination, if a student gives an "excellent" grade for one question, and he or she gives a "satisfactory" grade for answering the second question.
- A "satisfactory" grade is given to a student, if he or she does not demonstrate full understanding of the issue mentioned in the questions. There are significant inaccuracies in the answer. A total "satisfactory" grade is also given for examination, if a student gives a "good" grade for one question, and he or she gives a "satisfactory" grade for answering the



second question. If a student answers one question with an “excellent” grade, and he or she does not answer the second question, an “unsatisfactory” grade is given.

- An “unsatisfactory” grade is given to a student, if he or she demonstrates lack of understanding of the issue. There is no answer to the questions. A student’s answer is not associated with a topic given in the question.

COURSE LITERATURE (RECOMMENDED OR REQUIRED)

1. Ali Qasim Hasan. Fundamentals of Financial accounting. [Electronic Resource]. – URL:https://www.researchgate.net/publication/332530145_FUNDAMENTALS_OF_FINANCIAL_ACCOUNTING
2. Guidelines for the economic analysis of projects. [Electronic Resource]. – URL: <https://www.adb.org/sites/default/files/institutional-document/32256/economic-analysis-projects.pdf>
3. Pedro Belli Jock Anderson Howard Barnum John Dixon Jee-Peng Tan Handbook on economic analysis of investment operations. [Electronic Resource]. – URL: https://www.unisdr.org/files/1064_econanal.pdf
4. Dr. Chandra Shekhar. Introduction to accounting. [Electronic Resource]. – URL: <http://www.ddegjust.ac.in/studymaterial/bba/bba-104.pdf>
5. R. Preston McAfee. Introduction to Economic Analysis. [Electronic Resource]. – URL: <https://authors.library.caltech.edu/25025/1/IEA150.pdf>
6. Economic and financial analysis. [Electronic Resource]. – URL: <https://norden.diva-portal.org/smash/get/diva2:1057029/ATTACHMENT04.pdf>
7. The Economist – <https://www.economist.com>
8. Science Library elibrary.ru – www.elibrary.ru
9. The World Bank – <https://www.worldbank.org>
10. The Organisation for Economic Co-operation and Development (OECD) - <https://www.oecd.org>
11. Business Data Platform - <https://www.statista.com>