Educational Institution
"Belarus State Economic University"

APPROVED
Rector of the Educational Institution
"Belarus State Economic University"
_____ V. Shutsilin
" 4 " ___мая_____ 2021
Registration No.//741-21 .

Financial Data Analysis

The curriculum of the Higher Educational Institution
in the academic discipline for the speciality
1-25 80 02 World Economy

2021

The curriculum is based on the curricula of the higher education institution 1-25 80 02 World Economy reg. №

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RECOMMENDED FOR APPROVAL:
Department of Taxes and Taxation of the Educational Institution "Belarus State Economic University" (Protocol No. № 9 25.03.2021);

Scientific and Methodological Council of the Educational Institution "Belarus State Economic University" (Protocol No.   ).

Explanatory note

The curriculum Financial Data Analysis prepared for students in the specialty 1-25 80 02 World Economy, profile Financial Support of Business in the International Economics (English) in accordance with the educational standard of the specialty. The discipline is an elective course.

The main goal of financial analysis is to obtain several basic, most informative parameters that give an objective and accurate picture of the financial condition of the enterprise, its profits and losses, changes in the structure of assets and liabilities, in settlements with debtors and creditors. Such information can be obtained as a result of a comprehensive analysis of financial statements using a scientifically sound methodology.

Discipline objectives «Financial Data Analysis»:

- in-depth study of the theoretical provisions of financial analysis;
- research of the information base of financial analysis of the organization;
- study of modern methods and techniques used in the process of financial analysis in conjunction with management objectives;
- the formation of practical skills in terms of the application of algorithmic techniques and analytical calculations to assess the financial position of the organization;
- acquisition of skills in assessing and analyzing the current financial condition and results of the financial and economic activities of the organization;
- practicing the skill of formulating conclusions based on the results of analytical calculations and interpretation of economic indicators.

The structure of the program and the teaching methodology of the academic discipline take into account the new results of economic research and the latest achievements in the field of pedagogy and information technology, orienting students to acquire the appropriate professional competencies:

SC-10 To organize and plan analytical work to use the results in financial management, justify management decisions based on the analysis of alternative options, comprehensively evaluate and interpret financial information, create management reports.

As a result of studying the discipline, the undergraduate must know:

- content, tasks and directions of financial diagnostic in the system of economic management of a business entity;
- methodological tools used in the course of operational, current and forecast financial analysis;
- the essence and algorithm for calculating individual and generalizing indicators of current and forecast financial analysis, as well as approaches to their economic interpretation and detailed assessment.

Be able to:

• economically correctly formulate the statement of analytical tasks in the conditions of financial and economic activities of a particular organization;

• effectively use the methodological tools of financial analysis in accordance with the target guidelines of economic diagnostics of an economic entity;

• formulate detailed conclusions based on the results of analytical studies in accordance with the level of information support and the depth of detail of the analytical work performed;

• offer a qualitative assessment of the results of analytical processing of financial information to build a financial strategy and improve the efficiency of the financial and economic activities of the organization.

Attain:

• basic rules of financial analysis;

• methods of calculating economic indicators;

• rules for creating analytical reports.

Total hours in the discipline in the specialty - 108, classroom - 42, lectures - 26, seminars - 16. Control form - exam (3 credit points). Higher education - full-time.

Cours content

Topic 1. Financial analysis information base.

The essence and significance of the analysis of the financial condition of the organization. Company strategies. Types of business analysis. Components of business analysis. Financial reporting and standards.

Topic 2. Analysis metodology.

Financial analysis methods: dynamic (horizontal), structural (vertical), trend, financial ratios, factorial. Characteristics of analytical procedures for financial analysis: preliminary assessment of the financial condition, detailed analysis of the financial condition. Formation of the analytical balance. Horizontal and vertical balance analysis. Comparative analytical balance.

Topic 3. Asset analysis.

Classification of asset. Asset turnover, current ratio, acid test, stock turnover, creditors' payment period, debtors' collection period, fixed asset ratio, sales per square foot, sales per employee, net margin, gross margin and return on capital employed (roce).

Topic 4. Liabilities analysis.

Classification of Liabilities: current liabilities (short-term liabilities), non-current liabilities (long-term liabilities), contingent liabilities. Analysis of dynamics, composition and structure of liabilities. Operating Liability Leverage and Its Effect on Operating Profitability.

Topic 5. Balance sheet analysis.

Balance sheet liquidity. Liquidity indicators. Factors affecting liquidity indicators. Analysis of the effectiveness of accounts receivable management. Comparative analysis of the effectiveness of management of accounts receivable and payable. Analysis of the effectiveness of inventory management. Capital analysis: working capital, owner's capital, loans. Internal analysis of short-term liabilities.

Topic 6. Income statement analysis

Relationship between revenue and expenses. Dynamics, composition and structure of profit – calculation of indicators and assessment of changes. Analyzing an income statement with financial ratios: gross profit margin, operating profit margin, net profit margin. Rates of return and profitability analysis: return on equity ratio (ROE), profitability, efficiency, and leverage ratios, primary, secondary, and tertiary ratios, dupont analysis.

Topic 7. Analysis of cash flow indicators.

Definition of cash flow as an object of financial analysis. Cash flow classification. Analyzing a cash flow statement with financial ratios. Methods of operational, current, predictive analysis of the organization's cash flows. Methods for analyzing cash flows calculated directly and indirectly. Factor analysis of the main relative indicators of the sufficiency and efficiency of the use of funds.

EDUCATIONAL AND METHODOLOGICAL MAP OF THE ACADEMIC DISCIPLINE Financial Data Analysis

Section number, topic	Section title, topics	Number of classroom hours						Other	form of control
		Lectures	Workshops	Seminars	Laboratory exercises	guided independent work			
						lecture	semin.		
1	2	3	4	5	6	7	8	9	10
1	Financial analysis information base	2	-	-		-	2	[1, 3, 5, 6]	colloquium
2	Analysis metodology	-	-	-		4	2	[2, 4, 7]	colloquium
3	Asset analysis	2	-	2		2	-	[1, 2, 5]	test
4	Liabilities analysis	2	-	2		2	2	[1, 3, 5]	test
5	Balance sheet analysis	2	-	2		2	-	[3, 5, 6, 7]	test
6	Income statement analysis	2	-	2		2	-	[1, 4, 6]	test
7	Analysis of cash flow indicators	2	-	2		2	-	[2, 4, 7]	test
	Total	12	-	10	-	14	6		exam
		42							

INFORMATION AND METHODOLOGICAL PART

Methodical recommendations for organizing independent work by academic discipline Financial Data Analysis

In mastering the knowledge of the academic discipline, an important stage is the independent work of students. The main areas of student independent work are:

• initially detailed acquaintance with the curriculum of the academic discipline;

• familiarization with the list of recommended literature on the discipline as a whole and its sections, its availability in the library and other available sources, study of the necessary literature on the topic, selection of additional literature;

• studying and expanding the lecture material of the teacher through special literature, consultations;

• preparation for practical training according to specially developed plans with the study of basic and additional literature;

• preparation for the implementation of diagnostic forms of control (tests, problem solving, control work, etc.);

• exam preparation.

Bibliography

Recommended Core Bibliography:

1. Kazakova, N. A. Analysis of financial statements. Consolidated business: a textbook for undergraduate and graduate programs: for students of higher educational institutions studying in economic areas / N. A. Kazakova; Scientific school Ros. econom. un-t them. G.V. Plekhanov. - M.: Yurayt, 2019.— 233 p. (in Russian)
2. Financial and analytical tools for sustainable development of economic entities: a textbook for the direction of the magistracy "Economics and Management" / [O. V. Efimova and others]; ed. O. V. Efimova; Financial University under the Government of Ros. Federation. - M.: KNORUS, 2021.— 177 p. (in Russian)
3. Mishchenko, A. V. Methods for assessing the efficiency of management of the production and financial activities of an enterprise: monograph / A. V. Mishchenko, E. V. Mikheeva. - M.: INFRA-M, 2019 .— 336 p. (in Russian)
4. Brigham, Y. Financial management: express course / [trans. from English: N. Levinskaya]. - 7th ed. - St. Petersburg [and others]: Peter, 2017. — 590 p. (in Russian)

Recommended Additional Bibliography:

5. Bogatyrev, S.Y. Behavioral finance tools and technologies: a textbook for magistracy / S.Y. Bogatyrev; Financial University under the Government of the Russian Federation (Financial University). - M.: Prometheus, 2019 .— 328 p. (in Russian)
6. Analysis of Financial Statements: Textbook for CBSE / T.S. Grewal's. — SCS, 2020. — 102 p.
7. Fridson, M.S. Financial Statement Analysis Workbook : A Practitioner's Guide / Fridson, M.S., Alvarez, F. — Vol. 4th ed.— Wiley, 2017. — 231 p.

PROTOCOL OF THE COORDINATION

Name of the training discipline, with which approval required	Chair	Suggestions about changes in the content of the curriculum institutions of higher discipline education	The decision taken by the department that developed the curriculum (indicating the date and protocol numbers)
International Competition		*Turban GV*	*л9 2f.0ғ.2f*

ADDITIONS AND CHANGES TO THE EDUCATION PROGRAM
for _____ / _____ academic year

№	ADDITIONS AND CHANGES	Reason

The curriculum was revised and approved at a meeting of the Department of Taxes and Taxation (Protocol No. _____ dated _____ 20___)

Head of Department   S.O. Naumchik
Docent, PhD

APPROVE