Ministry of Education and Science of Ukraine State Higher Educational Institution «National Mining University»

Department of Applied Economics and Business



Timoshenko L.V.

STUDY PLAN OF EDUCATIONAL COURSE

«Economic diagnostic of entrepreneurial activity»

field of study: <u>124 System analysis</u> (code and course name)

speciality: System analysis and management (code and speciality name)

Faculty: <u>Faculty of informational technologies</u> (name of institute, faculty, department)

educational level: master

Dnipro NMU 2017

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Study program approved on session of Department of Applied Economics and Business (name)
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Approved by methodic commission of State Higher Educational Institution for field of study 124 System analysis for speciality System analysis and management

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«»	20year Director(signature)	() (Last name and initials)

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INTRODUCTION

The program training results of the master's degree in system analysis are defined in the standard of higher education by specialty 124 System Analysis.

In the educational-professional program of the State Higher Educational Institution "NMU" [2.1] distribution of program learning results has been made according to the organizational forms of the educational process.

The discipline "Economic diagnostics of entrepreneurship" includes the following competencies:

- KK1 - ability to abstract thinking, analysis and synthesis;

- 3K5 - Ability to search, process and analyze information from different sources;

- CL7 - Ability to identify, put and solve problems;

- 3K8 - Ability to make measured decisions;

- FC 5 - Ability to formulate, analyze and synthesize in solving scientific problems at an abstract level;

and learning results:

- PRN1 - Know and be able to apply in practice methods of system analysis, mathematical and information modeling for the construction and research of models of objects and processes of informatization;

- PRN11 - Ability to search information in specialized literature in the field of system analysis using a variety of resources: journals, databases, online resources;

- PRN13 - Process, analyze, systematize scientific and technical information, generalize advanced domestic and foreign experience in system analysis.

The purpose of "Economic Diagnostics of Entrepreneurship" course is the formation of a holistic system of knowledge and skills on economic diagnostics and assessment of the organization (enterprise) activity for students to substantiate managerial decisions and identify internal reserves in accordance with an educational and professional program.

Realization of the goal requires the transformation of the program results of training in discipline, and the selection of the content of the discipline according to this criterion.

Requirements for the structure of the work program of disciplines are given in [2.5].

1. FIELD OF USE

The program is designed for

• implementation of a competent approach in shaping the structure and content of the course;

• internal and external quality control of training specialists;

• accreditation of the educational program in the specialty.

The work program sets:

- scope and terms of teaching course;
- designation of physical quantities;
- disciplinary learning results and their level of difficulty;

• Thematic plan and volume distribution according to the organizational forms of the educational process;

• Requirements for the structure and content of individual tasks;

• tasks for independent work of the applicant;

• generalized diagnostic tools, criteria and procedures for assessing the achievements of applicants;

• composition of the complex of teaching and methodological provision of discipline.

2. NORMATIVE REFERENCES

The program of the course is developed on the basis of the following normative documents: 2.1 Educational program of preparation of bachelor's degree in specialty 124 "System analysis" / Ministry of Education and Science of Ukraine, National Academy of Sciences of Ukraine. mountain un - D.: NMU, 2017. - 23 p.

2.2 Resolution of the Cabinet of Ministers of Ukraine dated December 30, 2015, No. 1187 Licensing conditions for the educational activities of educational institutions (Decree of the Cabinet of Ministers of Ukraine of December 30, 2015, No. 1187 "Licensing conditions for the educational activities of educational institutions".

2.3 Draft Standard of Higher Education Bachelor Degree Specialty 124 System Analysis.

2.4 Law of Ukraine "On Higher Education".

2.5 Standard of Higher Education of the State Higher Educational Institution "NSU" Design of the educational process. Dnipropetrovsk: NMU, 2016. - 74 p.

3. TIME AND TERMS OF STUDY OF THE COURSE

Total amount - 4 credits ECTS (120 academic hours).

It is learned at the 1st year, in the first term.

4. DETERMINATION OF PHYSICAL QUANTITIES

5. EXPECTED DISCIPLINARY RESULTS OF EDUCATION

The code and the content of educational results for an educational-professional program	Code and content of disciplinary learning results (DRN)
1	2
PRN1 - Know and be able to apply in practice methods of system analysis, mathematical and information modeling for the construction and research of models of objects and processes of informatization	DRN1-1 Formulate and apply mathematical models of stochastic analysis in economic diagnostics. DRN1-2 Know and be able to apply in practice the methods of mathematical and information modeling as a scientific tool (apparatus) for economic diagnostics. DRN1-3 Know and be able to apply in practice
	factor analysis methods DRN1-4 It is advisable to apply methods of financial mathematics in economic diagnostics.
PRN11 - Ability to search information in specialized literature in the field of system analysis using a variety of resources: journals,	DRN11-1 To search for information and to know and be able to apply in practice system analysis methods to diagnose the state and development trends of an organization (enterprise)
databases, on-line resources	DRN11-2 It is advisable to use traditional logical methods for processing economic information in diagnostics. DRN11-3 Search for information to diagnose the
PRN13 - Perform processing, analysis, systematization of scientific and technical information; generalize advanced domestic and foreign experience in system analysis.	DRN13-1 Know the methods of diagnosing the technical potential of the organization (enterprise).

6. THEMATIC PLAN AND DISTRIBUTION OF DISCIPLINES BY STYLES OF EDUCATIONAL STUDIES

DRN	Kind of class	Hours		
Code		aud	CPC	total
1	2	3	4	5
	Lectures	28	32	60
DRN11-1	1. Introduction. Essence, meaning, task, functions, types, informational support of economic diagnostics of entrepreneurial activity.	2	2	4
DRN1-2	2. Methodical bases of economic diagnostics of entrepreneurial activity	2	2	4
DRN11-2	3. Traditional methods of processing economic information in the economic diagnosis of entrepreneurial activity	2	2	4
DRN1-3	4. Methodology of factor analysis.	2	2	4
DRN1-3	5. Methods of measuring the influence of factors in deterministic analysis.	2	4	6
DRN1-1, DRN1-3	6. Methodical approaches to the identification and calculation of reserves for improving the efficiency of entrepreneurial activity	2	4	6
DRN11-1	7. Diagnosis of competitiveness of organization (enterprise), products (works, services)	4	4	8
DRN11-1 DRN13-1	8. Diagnostics of the condition and potential opportunities of the industrial complex	4	4	8
DRN1-4	9. Property diagnostics and market value of the enterprise	2	2	4
DRN1-1, DRN1-4	10. Financial diagnostics of the organization (enterprises)	2	2	4
DRN11-3	11. Diagnostics of economic safety of the organization (enterprises)	2	2	4
DRN11-1	12. Diagnostics of the organization's economic culture (enterprises).	2	2	4
	Practice			
DRN11-1	1. Organizational and informational support for economic diagnostics. The experience of implementing an organization's economic diagnostics.	2	2	4
DRN1-2	2. Methodical methods of analytical research in economic diagnostics.	2	2	4
DRN11-2	3. Traditional methods of processing economic information	2	2	4

DRN1-3	4. Deterministic simulation.	2	2	4
DRN1-3	5. Methods of measuring the influence of factors in deterministic analysis.	2	4	6
DRN1-1	6. Determination of reserves for increasing the efficiency	2	2	4
DRN1-3	of entrepreneurial activity			
DRN11-1	7. Diagnosis of Competitiveness of the Organization (Enterprise)	2	2	4
DRN11-1	8. Diagnosis of competitiveness of products (works, services)	2	2	4
DRN13-1	9. Diagnostics of the technical potential of the organization (enterprise)	2	2	4
DRN11-1	10. Diagnostics of the organization's labor resources (enterprises)	2	2	4
DRN1-4	11. Diagnostics of financial stability of the organization (enterprises)	2	4	6
DRN11-1 DRN1-4	12. Diagnostic evaluation of the cost of an organization (enterprise)	2	2	4
DRN11-3	13. Methodological approaches to the diagnosis of economic security of the organization (enterprise)	2	2	4
DRN11-1	14. Features of the diagnosis of the organization's economic culture (enterprises)	2	2	4
	Practical tasks		32	60
	Total		64	120
	Lectures (auditionary - 2 hours per week)		32	60
	Practice (auditionary - 2 hours per week)		32	60
	Final control - exam			

7. INDIVIDIUAL TASK REQUIEREMENTS

No individual tasks are planned.

8. TASKS FOR THE STUDENT'S SELF-STUDY WORK

The main tasks for independent work include:

- preliminary processing of information provision for each topic;
- preparation for ongoing control solving tasks of self-control on each topic;

• preparation for the final (semester) control.

9. FORM OF FINAL CONTROL, DIAGNOSTICS, CRITERIA AND EVALUATION PROCEDURE

9.1. Form of final control

Final control takes place in the form of an examination.

An assessment of the level of the formation of disciplinary competencies in the form of examinations can also be carried out without the participation of a student based on the results of current control.

9.2 Forms of current control

Determination of the level of the formation of disciplinary learning outcomes during the current control is carried out for:

• a certain section of the work program of discipline;

• practical work (verification and protection);

9.3 Diagnostic tools

9.3.1 Generalized diagnostic tools

Diagnostic tools are presented in the form of theoretical questions and concretized tasks with numerical input data and are designed to assess the student's ability:

- apply rules, methods, principles, laws in specific situations;

- interpret circuits, graphs, diagrams;

- analyze and evaluate the facts, events and predict the expected results from the decisions made;

- to present material on paper Logically, consistently, with the requirements of the current standards.

9.3.2 Specified diagnostic tools

The precise diagnostic tools that are directly used for control measures during lectures are formed on the basis of generalized numerical or other concretization of generalized means in the form of closed and open type tests.

9.4 Evaluation criteria and procedures

9.4.1 Lecture material

The evaluation of the results of the accomplished tasks is carried out by comparing them with the standards - samples of correct and complete answers by identifying the level of competence generation based on the analysis of the student's response, using the coefficient of assimilation as a percentage that adapts the value of the assessment to the ECTS scale:

$$P_i = a / m$$
 (%),

where a is number of correct answers or performed essential operations of decision standards; m is the total number of questions or essential operations of the decision benchmark.

The results of the students' achievements (as a percentage) obtained from the described scheme are presented in the estimations of the ECTS and the national scale:

Marks, %	Grade	
National Differentiated Scale		
90-100	Excellent	
74-89	Good	
60–73	Satisfactory	
1-59	Fail	

ECTS scale		
90-100	А	
82-89	В	
74-81	С	
64–73	D	
60–63	Е	
35-59	Fx	
1-34	F	

If the level of student achievement below 60% is fixed or if the student does not appear on a control event, then he is rated "Fx" and "unsatisfactory". In such cases, the student is obliged to further master this topic of classes and undergo a re-evaluation of his learning outcomes.

9.4.2 Practice

Each practical work is evaluated by the quality of the task by means of the coefficient of assimilation or by the expert method, when the maximum assessment is put out subject to the following conditions:

- compliance with the report on the implementation of practical work methodological recommendations;

- correctness of execution

- possession of theoretical knowledge on which the subject of research is based;

- possession of experimental research methods;

- general and professional literacy, conciseness and logical sequence of presentation of the material;

- compliance of the report with the current standards.

- availability of references to sources of information;

- independence of execution (it turns out during protection).

The level of achievements on the results of the implementation of a complex of practical work in the discipline is defined as the average value of the results of the current control of each.

During the examination, the assessment for practical work is determined by the percentage of the correct steps of the algorithm for its implementation.

An integral assessment of achievements in all practical work is taken as a positive one (the student achievement level is not less than 60% or at least 60 points) only when all the practical work provided for by the program of the discipline is fulfilled and evaluated.

9.4.3 Integral level of student achievement in the course

The integral level of student achievement in mastering material on discipline is generally calculated as the weighted mean of the level of formation of competences in lectures and

practical classes:
$$IP = \sum_{i=1}^{n} \frac{(P_i \times T_i)}{T}$$
, %,

where n is a number of types of training sessions;

- P_i is a level of achievements for the i-th type of occupation,%;

- T_i is a volume of the i-th type of studies;

- *T* is the total volume of discipline. Achievements of a student in mastering a certain discipline in general can not be evaluated positively if from any planned control measure in this discipline the student has not received a positive assessment.

If the level according to the results of any current control measure is higher than 60%, then the national scale is rated "credited".

If the level according to the results of any current control measure is lower than 60%, then the discipline is rated "Fx" and, if below 35%, then "F". On the national scale in this case, the "unrecorded" score is displayed.

10. COMPOSITION OF THE COMPLEX OF EDUCATIONAL AND METHODICAL SUPPORT OF THE DISCIPLINE

The complex of teaching and methodological support of the discipline should be located on the website of the Department of Applied Economics and Business and should include:

1) work program of discipline;

2) educational content (information provision of lectures);

3) the task and methodical support of practical work;

4) materials for methodological support of independent work of the student concerning:

- preliminary processing of information provision of lectures;

- solving tasks of self-control on each topic

6) generalized tasks for the current control of the level of the formation of disciplinary competencies in the form of typical situational exercises with examples of solutions .;

7) task for post-certification monitoring of the level of formation of disciplinary competencies.

11. RECOMMENDED LITERATURE

11.1 Basic

1. Getman O.O. Economic diagnostics: [a manual for students of higher educational institutions] / O.O. Getman, V.M. Shapoval - K .: Center for Educational Literature, 2007. - 307 pp.

2. Zagornaya T.O. Economic diagnostics: [tutorial] / T.O. High - K.: Center for Educational Literature, 2007. - 400 pp.

3. V.A. Karpov Planning and analysis of business projects. - Odessa: ONEU, 2014 - 243 pp.

4. Krivovozyuk I.V. Economic diagnostics. 2nd form. [text]: tutor manual / I. V. Krivovozyuk. - K .: Center for Educational Literature, 2017. - 456 pp.

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8. Bol'yuk M.A., Gorbatyuk M.I. Collection of tasks from the course "Economic analysis". - K.: KNEU, 2002. - 232 pp.

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11.2 Auxiliary

18. Andreeva G.I. System of formation of economic indicators as the basis of the analysis of economic activity of the enterprise - Effective economy - №3 2014 - [Electronic resource]. - Access mode:

http://www.economy.nayka.com.ua/?op=1&z=2872

19. Lagoon MI Comprehensive assessment of the financial and economic performance of an economic entity [Electronic resource]. - Mode of access: http://iee.org.ua/files/alushta/95-lagun-kompleksna_ozinka.pdf

20. Kazachkov I.O., Lisenko T.O. Modern approaches to the analysis of the economic activity of the enterprise - 2013 - [Electronic resource]. - Access mode: http://www.zgia.zp.ua/gazeta/evzdia_4_030.pdf

21. Shandova N.V. Estimation of the overall stability of the industrial enterprise development // Current problems of the economy. - 2006 - No. 9 (63) - pp.169-173.

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http://dspace.kntu.kr.ua/jspui/bitstream/123456789/543/1/33.pdf

11.3. Information resources

24. Information and reporting data of joint stock companies, presented on the website of the Agency for the development of the stock market infrastructure of Ukraine www.smida.gov.ua.

25. Resources of the National Library. VI Vernadsky (www.nbuv.gov.ua).

26. Teaching aids, references of the Library of the State Pedagogical University "NSU".

27. The Tax Code of Ukraine, other normative documents of the site of the Verkhovna Rada of Ukraine (http://rada.gov.ua/).

28. Materials of the State Statistics Committee of Ukraine (www.ukrstat.gov.ua), including its regional departments.

Educational edition

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