

MINISTRY OF AGRICULTURE AND FOOD OF THE REPUBLIC OF BELARUS  
MAIN CONTROL EDUCATION, SCIENCES AND PERSONNEL POLICY  
GRODNO STATE AGRARIAN UNIVERSITY

FACULTY OF ECONOMICS AND ACCOUNTING

**METHODOLOGICAL RECOMMENDATIONS**  
**by execution graduation thesis**

for students studying in specialties:  
1-26 02 02-07 Management (informational),  
6-05-0412-01 Management

Grodno 2026

UDC  
BBC

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**Methodological recommendations for completion of a graduation thesis for students studying in specialties 1-26 02 02-07 Management (information) and 6-05-0412-01 Management / S.Yu. Shcharbatsiuk and etc. // Grodno State agrarian university. - Grodno, 2026. – 67 pp.**

The methodological recommendations have been prepared in accordance with the requirements of the Regulation on the design of coursework and graduation thesis of the educational institution Grodno State Agrarian University (registration No. 533 of June 19, 2024). They include requirements for content and design graduation thesis, responsibilities of the supervisor, consultant, reviewer of the graduation thesis, provisions for organizing the work of students.

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Recommended by the educational and methodological commission of the Faculty of Economics and Accounting of the educational institution Grodno State Agrarian University (minutes No. \_\_\_\_\_ from «\_\_\_\_\_» \_\_\_\_\_20\_\_\_\_).

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## INTRODUCTION

Final certification is carried out to determine whether the results of students' educational activities comply with the requirements of educational standards and the curriculum documentation of higher education programs.

In accordance with the Code of the Republic of Belarus on Education, the Rules for conducting certification of students, cadets, and listeners during mastering the content of educational programs of higher education by the forms of final certification of students in mastering the educational program of higher education of the first level in the specialty 1-26 02 02-07 Management (information) is carried out in the form of a state exam in the specialty and defense of a graduation thesis , and in the specialty 6-05-0412-01 Management - in the form of a state exam and defense of a diploma graduation thesis .

The requirements for the structure, content, volume and procedure for defending a graduation thesis are determined by the institution of higher education (Regulations on the design of coursework and graduation thesis in an educational institution Grodno state agrarian university" (reg. No. 533 from 19.06.2024) taking into account the requirements of regulatory legal acts:

Code of the Republic of Belarus on Education (Code of the Republic of Belarus of 13.01.2011 N 243-Z (as amended on 09.12.2025) )

- Educational standard of higher education (OSVO 1-26 02 02-2021) Higher education. 1st stage Specialty 1-26 02 02 Management (by areas) Direction of the specialty 1-26 02 02-07 Management (information) ( p Resolution of the Ministry of Education of the Republic of Belarus dated 11.08.2022 N 246 "On approval of educational standards of higher education of the 1st stage" );

- Educational standard of higher education (OSVO 6-05-0412-01-2023) Specialty direction 6-05-0412-01-2023 Management ( Resolution of the Ministry of Education of the Republic of Belarus dated 02.08.2023 N 225 (as amended on 29.10.2024) "On approval of educational standards of general higher education" );

- Examples of the design of a bibliographic description in the list of sources cited in a dissertation and abstract (order of the Higher Attestation Commission of the Republic of Belarus dated 13.10.2025 No. 206);

- Rules for conducting certification of students, cadets, and listeners in mastering the content of educational programs of higher education (Resolution of the Ministry of Education of the Republic of Belarus dated October 13, 2023, No. 319).

# **1.GENERAL PROVISIONS AND CONTENT GRADUATION THESIS**

## **1.1. Target and tasks graduation thesis**

The main purpose of completing and defending a graduation thesis is to determine the degree of competence of the graduate in the intended field of professional activity, confirming the compliance of the level and quality of the graduate's training with the requirements of the educational standard and the qualification characteristics of the specialty.

In the course of achieving the goal of completing and defending the graduation thesis, the following tasks are implemented:

- consolidation and development of academic, social, personal and professional competencies defined by the educational standard of the specialty;
- study of the essence of a specific phenomenon (process), designated by the topic of the project (work), the state in theory and modern practice based on the analysis of regulatory legal acts, literature, as well as factual data;
- systematization And application received V process training knowledge, skills and abilities in analyzing and solving specific problems;
- development of proposals for improving the process or phenomenon being studied;
- justification received V in the course research results And conclusions.

A diploma research project begins with choosing the topic of the graduation thesis and determining its structure.

## **1.2. Requirements to graduation thesis**

The graduation thesis is completed using the example of a specific organization (enterprise).

Topics of graduation thesis s (graduation works) must be relevant, correspond to the current state and prospects for the development of science, technology, production, economics and the social sphere, and take into account the specific tasks in this area of specialist training.

List of topics for graduation thesis is updated annually by the educational institution and communicated to students. Topics of graduation thesis are determined by the graduating departments and approved by order of the rector.

The student is given the right to choose the topic of the graduation thesis. A student can propose his own topic for a graduation thesis. In this case, he must contact the head of the graduating department with a written statement, in which he justifies the feasibility of work on the specified topic. If the decision is positive, the topic of the graduation thesis is included in the list of topics for graduation thesis.

Graduation thesis must correspond next requirements:

- to consider a practically significant and relevant problem that has not been sufficiently developed and covered in the literature, or that requires a solution in real practice;
- contain elements scientific research;

- have a clear structure and logical sequence of presentation of the material;
- contain an analysis of specialized literature on the research topic, including textbooks and teaching aids, monographs and scientific articles, regulatory documents, etc.;
- be carried out on the basis of statistical information on the research topic, specific factual data of the organization (enterprise), on the example of which the graduation thesis is being carried out;
- be carried out With using modern methods research;
- conclude with reasoned conclusions and economically sound proposals and recommendations.

The student completes the graduation thesis independently. Rewriting or simply compiling texts prepared by others is not permitted. The author of the graduation thesis project (work) is responsible for the completion of the graduation thesis project (work), the decisions made within it, the accuracy of all data, and the conclusions reached.

### **1.3. Structure of the diploma graduation thesis and requirements for its elements**

**The graduation thesis** must include a calculation-explanatory section and a graphic section (drawings, graphs, diagrams, charts, tables, images, and other illustrative material) that clearly presents the work performed and the results obtained. At the discretion of the graduating department, the graphic section may be presented at the diploma defense as an electronic presentation with a printed hand out for the State Examination Committee members. The presence of an electronic presentation does not preclude the need to provide a hard copy of the graphic section, which must be included in the calculation-explanatory note.

The structure of the **graduation thesis (calculation and explanatory note)** includes:

- title page (Appendix 1);
- assignment for the graduation thesis (Appendix 2);
- table of contents (Appendix 3);
- list of symbols, conventions and terms (if necessary) (Appendix 4);
- abstract (1 page) (Appendix 5);
- introduction (2-3 pages);
- the main part (review of literary sources on the topic; sections containing a description of the methods and (or) techniques used, own theoretical and experimental research, calculation results and other information specified in the assignment for the graduation thesis ; economic justification of the decision taken and determination of the economic efficiency of implementing the obtained results, labor protection and safety requirements for the operation of the developed facility for graduation thesis in the production area) (30-35 pages);
- conclusion (2-3 pages);
- list of sources used;
- graphic material in accordance with the assignment for the graduation thesis ;

applications (if necessary);  
additional materials (if necessary).

**Structural elements of the graduation thesis are:**

title page (Appendix 6);  
assignment for the graduation thesis (Appendix 7);  
table of contents (Appendix 3);  
list of symbols, conventions and terms (if necessary) (Appendix 4);  
abstract (1 page) (Appendix 5);  
introduction (2-3 pages);

the main part (review of literary sources on the topic; sections containing a description of the methods and (or) techniques used, the essence and main results of own theoretical and experimental research, calculation results and other information specified in the assignment for the graduation thesis (30-35 pages);

conclusion (2-3 pages);  
list of sources used;  
graphic material (if necessary);  
applications (if necessary);  
additional materials (if necessary).

The total volume of the graduation thesis should not exceed 50-55 pages of typewritten text (excluding appendices).

If the research results of the graduation thesis are recommended for practical application or implemented in production or the educational process, then implementation certificates are attached as supplementary materials to the diploma graduation thesis after the appendices. Sample implementation certificates are provided in Appendices 8 and 9 of these Methodological Guidelines.

The **title page** of the graduation thesis must contain the following information: the name of the ministry to which the institution of higher education is subordinate; the name of the institution of higher education where the project (work) was completed; the faculty where the student is receiving higher education; the department where the project (work) was completed; the year, specialty, form of study, last name, first name, patronymic of the author; the title of the work; last name, first name, patronymic of the supervisor and consultant; admission to defense with the date; the city of Grodno and the year. The topic of the graduation thesis, indicated on the title page must completely match the topic, approved in the order of the rector and specified in the assignment.

Sheet **for the graduation thesis** is filled out by the student in accordance with the instructions of the academic supervisor using the approved template.

In the graduation thesis, on the third sheet and, if necessary, on subsequent sheets, **a table of contents is placed** including the names of the structural parts of the graduation thesis, the numbers and titles of sections and subsections, indicating the numbers of sheets (pages) on which the beginning is located. material composite parts diploma project (works). The word "TABLE OF CONTENTS" is written as a heading (symmetrical to the text) in capital letters. Titles included in the table of contents are written in lowercase letters, beginning with a

capital letter. The table of contents is given first, as this allows the structure of the work to be immediately apparent.

**List of conventional designations, symbols, units, and terms** . Documents must use scientific and technical terms, designations, and definitions established by the relevant standards, or in their absence generally accepted in scientific and technical literature.

When using specific terminology, less common abbreviations, acronyms, and symbols (hereinafter referred to as abbreviations and symbols) in the text of the graduation thesis , they can be presented in the form of a separate list in the section “List of symbols and abbreviations, symbols and terms”, placed before the “Introduction” section.

The list is included in the table of contents of the graduation thesis as a separate section. The list should be arranged in a column, with, for example, an abbreviation listed on the left (in alphabetical order) and its detailed definition on the right (Appendix 4). However, if special terms, abbreviations, symbols, designations, etc. are repeated less than three times in the graduation thesis , a list is not provided, and their definitions are provided in the text at the first mention.

**The abstract** includes information about the graduation thesis , which is presented in the following sequence:

1) general characteristics of the work (information about the volume of the graduation thesis , the number of illustrations, tables, appendices, sources used);

2) a list of keywords (from 5 to 10) that best characterize content work And provide opportunity information retrieval . from the word are printed in the nominative case, separated by a comma, in capital letters;

3) object of study ;

4) item research ;

5) purpose of the study ;

6) research methods ;

7) main results of the study ;

8) economic and social significance of the results obtained ;

9) the possibility of practical application of the obtained results ;

10) area of possible implementation of the obtained results.

For graduation thesis (papers) completed in foreign languages, the abstract must be provided in one of the official languages. The abstract should be no more than one page long. A sample abstract is provided in Appendix 5.

**The introduction** is the introductory, initial section of the graduation thesis . It provides a general assessment of the state of the scientific, industrial, social, or other sphere of human, societal, or natural activity in which the student's chosen subject of study is located. Where appropriate, a historical overview is provided, the range of issues requiring discussion is outlined, and the direction of the author's research is defined.

Introduction:

- justification relevance topics of the graduation thesis ;

- object and item research;

- goals and tasks of the graduation thesis ;

- description theoretical And methodological basics research;
- description informational and empirical base of the research;

The formulation of the research objective must coincide with the topic of the graduation thesis , and the formulation of the tasks must correspond to the titles of the sections and subsections of the work.

**The main body of a graduation thesis (or diploma) project** is contained in chapters (sections), and if necessary subsections, paragraphs, and subparagraphs, which reveal the essence of the project (or diploma). All parts of the graduation thesis (or diploma) project must be presented in a strict logical sequence and interconnected. Each chapter has a specific purpose and serves as the basis for subsequent presentation. The distribution of the main material of the graduation thesis across chapters and sections is determined by the author and agreed upon with the supervisor.

In the conclusion of each chapter, it is advisable to provide brief conclusions, which allows for a clear formulation of the results of all stages of the research and makes it possible to free the main results of the work from secondary details.

**Chapter One (Theoretical Part )** The theoretical part of the study is based on literary sources and periodicals. It reveals the essential characteristics of the problem being studied (categories, concepts, principles, goals, objectives, functions, types, etc.); analyzes domestic and international practical experience on the research topic; and identifies problematic (relevant) issues related to the research topic .

This chapter should contain answer on first task of the graduation thesis .

Volume first chapters Not must exceed 10-15 pages.

**Second chapter (organizational and economic characteristics) and informational security subject management)** dedicated to brief characteristics of the selected research object for the previous three years and analysis of the information support system for the management process of the enterprise (organization).

When describing the organizational and economic characteristics of an enterprise, the following should be reflected:

- complete Name enterprises, his location;
- organizational and managerial structure;
- resource potential And indicators efficiency his use.

Examples of tables for resource potential analysis are presented in Appendix 10.

The information support specification for an organization's management system should describe the software used in various areas of production and management processes (animal identification, process charts, ERP, legal systems, etc.). Screenshots of the software interfaces and workspaces are included.

Exemplary volume second chapters – up to 10 pages.

**Chapter Three (Project-Analytical Part)** should be of a research nature (critical analysis), and the proposed recommendations for solving existing problems should be of a practical (applied) nature.

To substantiate his position, the author of the graduation thesis must use specialized methods of economic research (statistical methods, EMM methods, observation, questionnaires, surveys and other modern research methods), and for

clarity, tables, graphs, diagrams, illustrations, etc. and comments to The use of all modern analytical methods and techniques will allow for a proper, competent study of the graduation thesis and the drawing of logically sound conclusions, which will be used to develop proposals and actions.

The chapter examines the main directions (prospects) for solving the problem and possible measures to improve management and solve emerging problems, and develops a program for the implementation of such measures.

The feasibility of implementing a particular proposal, along with a reasoned presentation of its essence, must be supported by a technical and economic justification, preferably with a calculation of the economic effect of its implementation; for this, it is necessary to apply methods for assessing the economic effectiveness of improvement measures.

It is imperative to pay attention to the development information support for production and management processes analyzed in the project (work).

When completing this section of the graduation thesis, the student must demonstrate skills in conducting analytical work and presenting its results in line with the problem being studied.

Exemplary volume third chapters - up to 20 pages.

**Chapter Four (Occupational Safety)** is carried out under the scientific supervision of the relevant consultant, who is determined by the order of the Dean of the Faculty of Economics and Accounting.

The logical conclusion of the graduation thesis is *the conclusion*. The main purpose of this section is to summarize the work performed, address the objectives set in the study, and assess the degree to which they have been achieved. The conclusion logically and consistently presents the results and conclusions obtained for each chapter of the graduation thesis: the theoretical essence of the problem, the results of an analysis of the current state of the object and subject of the study, and proposals for improving the effectiveness of the subject. research and expected economic impact from the implementation of proposals.

Volume section "Conclusion" must make up 2-3 pages.

*The list of sources used* should contain a list of sources of information to which references are given in the graduation thesis, and Also, any additional literature used by the student while writing the work. When completing the graduation thesis, it is necessary to use up-to-date sources. Information: books and monographs no older than 5 years from the time of writing; journal articles no older than 3-5 years. The use of literature from a later year of publication is permitted if an analysis of changes in certain concepts over time is required or if the topic under consideration has not been studied by anyone for a long time. If the same material is reprinted multiple times, then the latest edition should be cited. Earlier editions may be cited only in cases where They contain relevant material not included in recent editions. Examples of formatting the list of references are provided in Appendix 11.

If necessary, *appendices* should include supporting material necessary for a complete understanding of the information presented in the graduation thesis (intermediate mathematical calculations; data from sociological research; tables of supporting digital data; supporting illustrations (drawings, diagrams, graphs) that

were not included in basic text; statistical And accounting reporting the organization on whose data the graduation thesis was completed; copies of questionnaires, instructions for completing them, and other information confirming the accuracy of the results, conclusions, and recommendations obtained).

Diploma project (work) at necessity maybe contain **additional materials**, which are placed after applications:

- certificate of use of enterprise materials in the graduation thesis (Appendix 12);
- reference (Appendix 13) ;
- copies act or certificates O implementation results graduation thesis in production or educational process) (Appendices 8,9), etc.

#### **1.4. Preparation To execution graduation thesis (works)**

Students are granted the right to choose the topic of their graduation thesis within the approved subject area. To do so, they submit a written request (Appendix 14) to the head of the department, requesting approval of the chosen topic. The request must be signed by the supervisor.

Supervisors of graduation thesis are appointed from among the faculty, primarily professors and associate professors, as well as researchers and highly qualified specialists from the university and other institutions and organizations. Supervisors of graduation thesis are appointed by the department and approved by order of the rector upon the recommendation of the dean of the faculty. One supervisor may supervise no more than seven graduation thesis (ten theses) during the academic year.

Supervisor graduation thesis is obliged to:

- in accordance with the topic, develop and issue the student an assignment for a graduation thesis ;
- render help in compilation plan graduation thesis ;
- provide recommendations on the necessary regulatory documents, primary and secondary literature, reference materials and other sources on the topic of the graduation thesis ;
- provide assistance in developing a detailed schedule for completing the graduation thesis .

Supervisor of the graduation thesis in accordance with the topic of the graduation thesis gives the student an assignment for a graduation thesis according to the form (Appendices 2, 7). The assignment for the graduation thesis is prepared on a special form and is main document, confirming The topic chosen by the student. The assignment specifies the topic of the graduation thesis, indicating the organization (enterprise) used as the example for the research, the initial data, a list of issues to be addressed, consultants with the sections related to them, and establishes a schedule for completing the graduation thesis. The assignment is signed by the student and the supervisor, dates back to during the day issuance and it is stated head of department.

If necessary and with the approval of the graduation thesis supervisor, the graduating department is granted the right to invite consultants for specific, focused sections of the graduation thesis . Faculty members, as well as highly qualified specialists and researchers from other organizations, may be appointed as consultants for specific sections of the graduation thesis .

The topic of the graduation thesis , supervisor and consultant are assigned to the student by order of the rector upon the recommendation of the dean's office.

### **1.5. Organization execution graduation thesis**

The schedule for completing the graduation thesis is determined by the approved academic schedule. The dean of the faculty establishes the deadlines and frequency for student reports on the progress of the graduation thesis .

The department prepares a schedule of consultations on graduation thesis, which is communicated to students completing their graduation thesis. Consultations are conducted by the graduation thesis supervisor (work), consultants designated by the rector's order, and specialists engaged by the department. In addition to consultations, the supervisor and consultants provide ongoing support. Monitoring the completion of the graduation thesis . The department informs the dean's office once a month about the schedule for each assigned student. The graduation thesis supervisor is responsible for:

- control compliance calendar graphics execution graduation thesis ;
- conduct consultations With students ;
- check completed graduation thesis How By in parts, So And generally ;
- make up review on graduation thesis .

Consultants check the relevant section of the student's completed graduation thesis and put their signature on the title page.

Responsibility for The student —the author of the graduation thesis —is responsible for ensuring the completion of the graduation thesis within the established deadlines, the accuracy of the data presented, the conclusions reached, and the submission of the work for preliminary and final defense. The student completing the graduation thesis is required to meet regularly with the supervisor and advisors to discuss the work completed and the results obtained, and to submit the graduation thesis materials for review.

Based on the results of the verification of the submitted materials supervisor And manager department determine the compliance of the completed work with the approved schedule and report in writing to the dean any cases of delay.

If a student fails to complete their graduation thesis in good faith, the faculty dean, based on a memo from the department head, will impose disciplinary action. If the student falls significantly behind schedule or the quality of the graduation thesis is poor, a department meeting may decide that the student is no longer required to complete the graduation thesis on the assigned topic. This decision will be documented in a corresponding report. Based on this decision, the faculty dean prepares an order for the student's expulsion and submits it to the university rector

for signature.

## **1.6. Examination graduation thesis on borrowing**

When writing their graduation thesis (papers), students are required to cite the sources from which they borrow material. Paraphrasing other authors' texts without citing them, as well as quoting them without using quotation marks, is not permitted. All direct borrowings from printed and electronic sources must be properly cited. Plagiarism, as the failure to independently complete a graduation thesis, is considered a violation of academic discipline by the student.

Graduation projects (works) are subject to mandatory plagiarism screening using anti-plagiarism services or systems. The academic supervisor evaluates the legality of plagiarism in graduation projects (works).

When checking for plagiarism, the following requirements are set: number of words. In Shingle 7, the text uniqueness threshold is at least 70%.

If, as a result of checking in an anti-plagiarism service or system, the uniqueness threshold of the graduation thesis text is:

- 70 % And more - graduation thesis (Job) counts past verification;
- from 50 to 69%, the decision on the possibility of defending the graduation thesis is made by the department after studying the nature of borrowings based on analytical information, provided by the anti - plagiarism service in detailed report;
- less than 50%, the graduation thesis, as a rule, is assessed as unsatisfactory and sent for revision.

Works that have been tested and have yielded unsatisfactory results must be revised and re-tested.

The maximum number of checks is determined by the academic supervisor when creating the assignment. Papers that do not receive a positive assessment by the anti-plagiarism service or system within the specified timeframe are not allowed to be defended by the department.

The results of the check are reflected in the "Report on the results of checking the text for borrowing" (Appendix 13), which attached To graduation thesis, A results checks are taken into account at admission To protection And when setting the final grade.

## **1.7. Admission graduation thesis to protection**

The student, the author of the graduation thesis, is responsible for the completion of the graduation thesis, the accuracy of all data and the conclusions drawn, for which he provides a certificate of the use of enterprise materials in the graduation thesis in the form according to Appendix 12.

The student provides the supervisor with a completed graduation thesis, signed by him and the consultant.

The supervisor of the graduation thesis prepares a review in the form provided in Appendices 15 and 16. The review must include the following:

- relevance topics graduation thesis ;

- volume execution tasks;
- degree independence And initiative student ;
- skill student to use special literature;
- the student's ability to carry out project-based, technological, research, executive, organizational and other work;
- opportunity use received results on practice;
- opportunity assignments student corresponding qualifications.

The supervisor puts his signature on the title page of the graduation thesis .

The graduation thesis , bound or placed in a standard folder, as well as the supervisor's review no later than two weeks before the defense, are submitted to the head of the issuing department, who decides on the possibility of admitting it to the defense.

To determine whether a graduation thesis can be accepted for defense, the graduating department may establish a working committee(s) for the preliminary defense. These committees determine whether the graduation thesis meets the assignment and the required scope of work. Meetings of the working committee are held according to a pre-approved schedule.

During the preliminary defense, the student presents the results of their research and answers questions from the committee members. Based on the results of the preliminary defense, a decision is made on the student's readiness to defend their graduation thesis at a meeting of the state examination committee.

The student's admission to the defense of the graduation thesis is confirmed by the signature of the head of the department on the title page of the graduation thesis .

If the head of the department or the working committee has established that the graduation thesis does not comply with the assignment and the required scope of work, the issue of admitting the work to defense is considered at a department meeting with the participation of the supervisor of the graduation thesis .

## **1.8. Review graduation thesis**

Graduation theses (works) accepted for defense are sent to the department head for review. Reviewers of theses (works) are approved by the faculty dean, upon the recommendation of the head of the department, no later than one month prior to the defense of the theses (works). The following individuals may be appointed as reviewers:

- professorial and teaching staff composition others departments university;
- specialists of organizations and institutions of the real sector of the economy and social sphere, employees of scientific institutions;
- persons from among the faculty composition of others institutions of higher education.

The review must include the following:

- relevance topics diploma research;
- degree conformity graduation thesis task;

- logic constructions material;
- completeness And subsequence critical review and literature analysis on the topic of the diploma graduation thesis ;
- completeness of the description of the calculation method or the research conducted, presentation of one's own calculation, theoretical and experimental results, a note on the reliability of the obtained expressions and data;
- the presence of reasoned conclusions based on the results of the graduation thesis ;
- practical significance of the graduation thesis , the possibility of using the results obtained;
- flaws And weak sides graduation thesis ;
- comments on the design of the graduation thesis and the style of presentation of the material;
- conclusion reviewer on the possibility of assignment student corresponding qualifications.

Example design reviews given in Appendices 16, 17.

The reviewer has the right to request from the student – the author of the graduation thesis – additional materials related to the research conducted.

The student must be familiar with the review at least 24 hours before the defense.

### **1.9. Preparation to protection graduation thesis**

To defend graduation thesis the rector establishes a State Examination Committee (SEC) by order. The SEC is formed annually and consists of a chairperson and members. The SEC's powers are retained for the duration of the calendar year.

To beginning protection graduation thesis in State Examination Commission, Dean of the Faculty submits an order on the admission of students to the defense of graduation thesis. To the defense of the diploma students who have fully completed the curriculum, including those who have passed the state exam(s) stipulated by the curriculum, and who have fully completed the assignment for the graduation thesis are allowed to participate in the graduation thesis.

to the State Examination Commission :

- graduation thesis, bound in accordance with the above requirements, with the signature of the supervisor of the graduation thesis, consultant and also the head of the department on the title page;

- review manager graduation thesis ;

- review specialist, reviewed diploma project (work).

The State Examination Commission may also submit other materials characterizing the scientific and practical significance of the completed graduation thesis , a list of the student's publications and inventions, and a description of their participation in scientific, organizational, social, and other types of work not covered by the curriculum. The absence of such materials will not constitute grounds for lowering the grade awarded for the graduation thesis defense .

## **1.10. Protection graduation thesis**

The procedure for defending a graduation thesis is determined by the chairman of the State Examination Committee and includes a report by the student (10-15 minutes) using (at the discretion of the graduating department) information technology, reading the supervisor's review and comments, questions from the members of the State Examination Committee and the student's answers.

It is recommended to accompany the report with presentation materials. It is advisable to include in the presentation next kit slides:

1. Title page with the title of the graduation thesis , indicating the author and supervisor.

2. Target and tasks graduation thesis .

- 3-4th slides. Brief organizational and economic characteristics of the organization.

- 5-9th slides. Information by analytical parts, related To topic research.

- 10-14th slides. Proposed developments, economic effect, measures for implementing proposals.

- 15th slide. End of the report .

The main principles when preparing presentation slides are clarity, conciseness, and clarity. General requirements for the layout of material on a slide include legibility and a comfortable color combination. The text font size should not be smaller than 24 points. It is advisable to introduce slide numbers; this allows committee members to reduce the time it takes to find the necessary slides from the student's report. When organizing the slide show setup, do not additional effects (such as animation and /or sound) that can distract from the perception of information.

Following the student's presentation, questions from the State Examination Commission, and the student's responses, the supervisor's review and assessment are read. If the reviewer has any comments, the student must respond to them.

The defense of the graduation thesis ends with the student being given a final word, in which he has the right to express his opinion on the comments and recommendations made during the discussion of the graduation thesis .

When evaluating a graduation thesis , its practical value, the content of the report and the student's answers to questions, the feedback from the supervisor of the graduation thesis and the review are taken into account.

## **2. RULES DESIGN GRADUATION THESIS**

### **2.1. General requirements to design graduation thesis**

The design of the graduation thesis is carried out according to established computer typesetting templates with the following settings in the Microsoft editor Word :

- text of the graduation thesis is printed on one side of a sheet of white paper of

A4 format ( 210 x 297 mm).

- When typing text using a computer, the Times font is used New Roman ,
- font size - 14 points;
- line spacing size is 18 points (one line spacing);
- text alignment by sheet width;
- paragraph indent - 1.25 mm;
- field sizes: top - 20 mm, bottom - 20 mm, left - 30 mm, right - 15 mm;
- Page numbers are given in Arabic numerals. The first page of the work is the title page, which is included in the overall page numbering. The title page does not contain a page number; on subsequent pages, the page number is placed at the center of the bottom of the page without a period at the end. The font size is 14 pt.

It is permitted to use computer capabilities to emphasize definitions, terms, and important features by using different font styles: italics, bold, underlined, spaced, and others.

The student is responsible for the literacy and neatness of the design graduation thesis . Typos and graphic inaccuracies found in the text may be corrected by erasing or painting over them with white paint and applying the corrected text in the same place in typewritten or by hand .

Headlines structural parts diploma project "TABLE OF CONTENTS", "INTRODUCTION", "CHAPTER", "CONCLUSION", "LIST " S O U R C E S USED ," "APPENDICES," are printed in capital letters in the middle of lines, using a bold font size 1-2 points larger than the font size in the main text. Chapter headings are printed in the same way.

Section headings are printed in lowercase letters (except for the first capital letter) with a paragraph indentation in bold font with a size 1-2 points larger than in the main text.

Subsection headings are printed with a paragraph indent in lowercase letters (except for the first capital letter) in bold font with the font size of the main text.

IN at the end headings chapters, sections And subsections point Not they put.

If a heading consists of two or more sentences, they are separated by a period (periods).

The distance between the heading and the text should be 2 line spaces. If there is no text between the two headings, the distance between them is also set to 2 line spaces.

Each structural part of the graduation thesis should start on a new sheet.

The numbering of chapters, sections, subsections, paragraphs, figures, and tables is given in Arabic numerals without the "No."

The chapter number follows the word "CHAPTER." Sections are numbered within each chapter. The section number consists of the chapter number and the section number, separated by a period, for example: "2.3" is the third section of the second chapter.

Subsections are numbered within each section. The subsection number consists of the sequential numbers of the chapter, section, and subsection, separated by periods, for example: "1.3.2" (the second subsection of the third section of the first chapter).

Chapter, section, and subsection titles are given after their numbers, separated by a space. No period is placed at the end of chapter, section, subsection, or subsection numbering, nor at the end of their titles.

## **2.2. Design illustrations and tables**

Illustrations and tables should be placed in the graduation thesis directly on the page with the text after the paragraph in which they are mentioned for the first time, or separately on the next page.

They should be positioned so that they can be easily viewed without rotating the graduation thesis or with a clockwise rotation. Illustrations and tables that are located on separate sheets of the graduation thesis, include in general numbering pages. If their dimensions larger than A4 format, they are placed on an A3 sheet and counted as one page.

Illustrations must be clear. All illustrations must be referenced in the work. The word "figure" in figure captions and references is not abbreviated: for example, "... in accordance with Figure 3.2," "... shown in the figure." 2".

Illustrations are designated by the word "**Figure**" and are numbered with Arabic numerals throughout the entire work, with the exception of illustrations in appendices.

*Example :*



**Figure 2 - Name drawing**

Note - Source: own development on basis data enterprises

Numbering within a section is permitted. The figure number in this case consists of the section number and the figure's sequential number, separated by a period:

*Example - fourth drawing second section:*



**Figure 2.4 - Name drawing**

Note - Source: own development on basis data enterprises

Below the illustration, write the word "Figure," the number, and the title of the illustration, separating the number from the title with a dash (-), and format it in bold with a font size reduced by 1-2 points. A period should be placed at the end of

the numbering. And names illustrations Not is put. Not allowed transfer words in the title of the picture.

The word "Figure," its number, and the title of the illustration are printed centered. If necessary, illustrations are provided with explanatory captions (text), which are placed between the illustration and its title. in the center of the page.

Digital material is usually presented in the form of tables. Table is a form of unified text that has a large information capacity, clarity, allows for strict classification, coding of information, and easy summarization of similar data.

All tables in the text must be referenced, and the word "table" must be written with its number: example: "...in accordance with table 2.3...".

The table is placed below the text in which it is first referred to. Each one table should have brief title, which consists of from words

"Table" and its serial number, followed by a dash (–), followed by the table title. The title should not be underlined. A period is not included at the end of the title.

The table title is placed to the left above the table without a paragraph indent, using a bold font reduced by 1-2 points.

Tables are numbered with Arabic numerals throughout the entire work (example: Table 1) or within chapters (example: "Table 2.3" - the third table of the second chapter). If the graduation thesis contains only one table, it is not numbered.

*Example :*

**Table 2.3 - Name tables**

Product name	Sum costs, rub.	Gross output, c	Cost price of 1 centner, rub.		Rejection - nie , rub.
			2025	2026	

Note - Source: own development on basis data enterprises

When formatting tables, a font size 1-2 points smaller than that of the text may be used. Tables with multiple rows may be carried over to the next sheet. When carrying over a section of a table to another sheet, its title should be listed once above the first section, with the words "Continued from Table 2.3" written to the left of the other sections.

*Column headings* should begin with capital letters, subheadings should begin with lowercase letters if they form part of the same sentence as the heading, and with uppercase letters if they are independent. Headings and subheadings are generally written in parallel. lines. At necessity allowed arrange them parallel to the table columns.

It is permissible to number columns with Arabic numerals if it is necessary to provide references to them in the text of the graduation thesis .

Dividing the table header diagonally is not allowed. The height of the rows in

The table must ensure that the information included in it is clearly reproduced .

If necessary, explanations or reference data should be given to the content of the illustration (table) or to the text directly in the form of notes, which are given directly below them.

### 1.1.Design notes and abbreviations

Notes are relatively brief additions to the main text or explanations of small sections of it, intended for reference purposes. Depending on their location, notes are divided into inline and footnote.

In-text notes are placed within the text they explain. After the word "Note," written in a paragraph, a dash ( — ) is placed and the content of the note is given in capital letters, ending with They put a period. One note is not numbered.

The work may contain generally accepted abbreviations and acronyms established by spelling rules and relevant regulatory documents. Example With. - page; G. - year; gg. – years; min. – minimal; max. – maximum; abs . – absolute; rel . – relative; i.e. – that is; etc. – so on; etc. – and so on; dr. – others; pr. – other; cf. – see; mln. – million; bln. – billion; thous. – thousand ; sb. – collection; vyp . – issue.

### 1.2.Design formulas and equations

Formulas in the graduation thesis (if there is more than one) are numbered within a chapter. The formula number consists of the chapter number and the ordinal number of the formula in chapter, separated by a period. Numbers formulas are written in parentheses at the right margin of the sheet at the formula level, *for example* : (3.1) (the first formula of the third chapter).

Explanations of the meanings of symbols and numerical coefficients must be given directly below the formula in the same sequence in which they are given in the formula, and the meaning of each symbol and numerical coefficient Give on a new line. The first line of explanation should begin with the word "where" without a colon.

*Example:*

$$3 = \sum b_{i \times} x_{i \times} k_i + A \quad (3.1)$$

where 3 is the total cost of production, rubles;

A — the sum of fixed costs, rubles;

$b_{i \times}$  — the level of variable costs per unit of output, rubles;

$x_{i \times}$  — processed milk of basic fat content, t ;

$k_i$  is the coefficient of product yield per 1 ton of processed milk of the basic fat content of the product in terms of milk.

Equations And formulas follows highlight from text free lines. There should be one blank line above and one blank line below each equation. If an equation does not fit on one line, it should be moved after or another operational sign (equality, plus,

minus, multiplication), which is repeated at the beginning of the next line. Calculations presented in the work are not numbered.

### **1.3. Design links**

When completing a graduation thesis, students are required to provide references to sources and materials used to develop the tasks, problems, and issues addressed in the graduation thesis. Such references make it possible to locate relevant sources and verify the authenticity of citations, as well as necessary information about the source (its content, language, length, etc.). If the same material is reprinted multiple times, the most recent edition should be cited.

A reference is a verbal or numerical indication within a work that directs the reader to another work (bibliographic citation).

A reference to the source is required when using data, conclusions, and quotes borrowed from literature in the graduation thesis.

A bibliographic reference in the text to a literary source is made by providing the number in the list of sources used.

The source number in the list must be indicated immediately after the citation in the text, followed by the source's sequential number in square brackets, as it appears in the list of references. If tables and illustrations were compiled (developed) by the author of the graduation thesis independently, then a note should be included in the text below the table, or after the caption for illustrations.

#### *Example:*

Note - Source: own development on basis data enterprises

The text should include in-text references to sections, subsections, illustrations, tables, appendices, and lists. Example : ... in accordance with Section 2, ... in accordance with 2.1, ... in accordance with Table 3, ... in accordance with Figure 1, ... in accordance with Appendix B. Repeated references to tables and illustrations may be abbreviated as "see." Example: see Figure 2.

References to formulas in the graduation thesis are indicated by the ordinal number of the formula in brackets, for example: "... in formula (2.1)".

### **1.4.Design list used sources**

The list of references is organized alphabetically by first author's last name or title. Source information is numbered using Arabic numerals.

Information about sources is printed with a paragraph indent, and a period is placed after the number.

When compiling a list of references in alphabetical order, it is presented in three parts. The first part presents bibliographic sources that use Cyrillic for description, the second part presents Latin, and the third presents other scripts (e.g., hieroglyphs, Arabic script). If other scripts are used for description, the Russian translation is

provided in parentheses after the required bibliographic data in the original language.

The necessary elements of the description of electronic resources are: main title; information related to the title; information about responsibility; resource designation; date; access mode.

When describing an electronic document in Russian, Russian terms and definitions are used, and when describing it in any other foreign language, English terms and definitions are used. In the title and statement of responsibility area straightaway after main titles V square in brackets the general designation of the material is indicated [Electronic resource], and for documents in foreign languages [Electronic resource].

Examples of the formatting of the list of references are given in Appendix 11 .

### **1.5. Design applications**

Appendices are formatted as a continuation of the graduation thesis on subsequent pages, arranged in the order in which they are referenced in the text. Appendices must have consistent page numbers with the rest of the work. Materials not referenced in the text of the graduation thesis are not permitted in appendices.

Each appendix should begin on a new page with the word "APPENDIX" written in capital letters at the top center of the page, followed by its letter designation (number) indicating its sequence. Below this is a heading written symmetrically to the text, capitalized. Example: "APPENDIX A," "APPENDIX B."

Appendices are numbered using letters of the Russian alphabet, starting with A (except for the letters Ё, З, Ў, О, Ч, Ь, Ъ, Ь). Appendices may be numbered using letters of the Latin alphabet, with the exception of the letters I and O.

The text of each appendix may be divided, if necessary, into sections and subsections, which are numbered within each appendix. The section (subsection) number is preceded by a letter corresponding to the appendix designation (for example: A 1.2 – *the second subsection of the first section of Appendix A* ). Illustrations, tables, formulas, and equations within the appendix are also numbered.

## **2. SAMPLE TOPICS FOR GRADUATION THESIS**

Topic 1. Land resources organizations (enterprises) APK And paths increasing the efficiency of their use (using the example of a specific organization)

Topic 2. Improving the efficiency of fixed assets use in organizations (enterprises) of the agro-industrial complex (using the example of a specific organization)

Topic 3. Promotion efficiency use production capacity of organizations (enterprises) of the agro-industrial complex (using the example of a specific organization)

Topic 4. Managing the working capital of an enterprise and improving the efficiency of its use (using the example of a specific organization)

Topic 5. Negotiable means organizations (enterprises) APK And paths increasing the efficiency of their use (specify organization)

Topic 6. Labor resources organizations (enterprises) APK And paths increasing the efficiency of their use (using the example of a specific organization)

Topic 7. Labor productivity organizations (enterprises) of the agro-industrial complex and its growth paths (using a specific organization as an example)

Topic 8. Performance labor in plant growing And paths her growth (on example of a specific organization)

Topic 9. Performance labor in animal husbandry and its development paths (on example of a specific organization)

Topic 10. Economic efficiency of grain production and ways to improve it (using the example of a specific organization)

Topic 11. Economic efficiency of rapeseed production in agricultural organizations (enterprises) and ways to improve it (using the example of a specific organization)

Topic 12. Economic efficiency of sugar beet production in agricultural organizations (enterprises) and ways to improve it (using the example of a specific organization)

Topic 13. Economic efficiency production potatoes in organizations (enterprises) of the agro-industrial complex and ways to improve it (using the example of a specific organization)

Topic 14. Economic efficiency production vegetables in organizations (enterprises) of the agro-industrial complex and ways to improve it (using the example of a specific organization)

Topic 15. Economic efficiency production fruits in organizations (enterprises) of the agro-industrial complex and ways to improve it (using the example of a specific organization)

Topic 16. Economic efficiency production feed in organizations (enterprises) of the agro-industrial complex and ways to improve it (using the example of a specific organization)

Topic 17. Economic efficiency production milk in organizations (enterprises) of the agro-industrial complex and ways to improve it ( using a specific organization as an example)

Topic 18. Economic efficiency production products cultivation and fattening cattle in organizations (enterprises) APK And paths her increases (on example of a specific organization)

Topic 19. Economic efficiency of production of pig rearing and fattening products in agricultural organizations (enterprises) and ways to improve it (using the example of a specific organization)

Topic 20. The cost of grain in agricultural organizations (enterprises) and ways to reduce it (using the example of a specific organization)

Topic 21. The cost of rapeseed in agricultural organizations (enterprises) and ways to reduce it (using the example of a specific organization)

Topic 22. The cost of sugar beet in agricultural organizations (enterprises) and ways to reduce it (using the example of a specific organization)

Topic 23. The cost of potatoes in agricultural organizations (enterprises) and ways to reduce it (using the example of a specific organization)

Topic 24. The cost of vegetables in agricultural organizations (enterprises) and ways to reduce it (using the example of a specific organization)

Topic 25. Cost of fruits in organizations (enterprises) of the agro-industrial complex and ways to reduce it (using the example of a specific organization)

Topic 26. Cost of feed in agricultural organizations (enterprises) and ways to reduce it (using the example of a specific organization)

Topic 27. The cost of milk in agricultural organizations (enterprises) and ways to reduce it (using the example of a specific organization)

Topic 28. Cost of production of cattle rearing and fattening in organizations (enterprises) of the agro-industrial complex and ways to reduce it (using the example of a specific organization)

Topic 29. Cost of production of pigs raised and fattened in agricultural organizations (enterprises) and ways to reduce it (using the example of a specific organization)

Topic 30. Profit and profitability of grain in organizations (enterprises) of the agro-industrial complex and ways to improve it (using the example of a specific organization)

Topic 31. Profit and profitability of rapeseed in organizations (enterprises) of the agro-industrial complex and ways to improve it (using the example of a specific organization)

Topic 32. Profit and profitability of sugar beet in organizations (enterprises) of the agro-industrial complex and ways to improve it (using the example of a specific organization)

Topic 33. Profit And profitability potatoes in organizations (enterprises) The agro-industrial complex and ways to improve it (using the example of a specific organization)

Topic 34. Profit and profitability of vegetables in organizations (enterprises) of the agro-industrial complex and ways to improve it (using the example of a specific organization)

Topic 35. Profit and profitability of fruits in organizations (enterprises) of the agro-industrial complex and ways to improve it (using the example of a specific organization)

Topic 36. Profit and profitability of feed in organizations (enterprises) of the agro-industrial complex and ways to improve it (using the example of a specific organization)

Topic 37. Profit and profitability of milk in organizations (enterprises) of the agro-industrial complex and ways to improve it (using the example of a specific organization)

Topic 38. Profit and profitability of cattle rearing and fattening products in agricultural organizations (enterprises) and ways to improve it (using the example of a specific organization)

Topic 39. Profit and profitability of pig farming and fattening products in agricultural organizations (enterprises) and ways to improve it (using the example of a specific organization)

Topic 40. Economic efficiency of food industry production (select: meat

processing, dairy processing, bakery, flour milling, feed milling, etc.) (using a specific organization as an example)

Topic 41. Cost of production of food industry products (select: meat processing, dairy processing, bakery, flour milling, feed milling, etc.) in organizations (enterprises) and ways to reduce it (using the example of a specific organization)

Topic 42. Profit and profitability of food industry products (select: meat processing, dairy processing, bakery, flour milling, feed milling, etc.) in organizations (enterprises) and ways to increase it (using the example of a specific organization).

Topic 43. Improving the economic efficiency of activities (indicate the organization) based on modeling specialization and rational combination of industries.

Topic 44. Economic and mathematical methods of management and their improvement (using the example of a specific organization)

Topic 45. Managing the efficiency of resource management (select: land resources, labor resources, financial resources, etc.) in an organization (specify the organization) based on the use of EMM

Topic 46. Simulation modeling as a tool for industry management (select: crop production or livestock farming) (using the example of a specific organization )

Topic 47. Improving the efficiency of production program planning based on EMM methods (using the example of a specific organization )

Topic 48. Optimization main production and economic parameters With use of economic and statistical methods (specify organization)

Topic 49. Grade placements, specializations And concentrations production in agriculture (using the example of a district) using EMM methods

Topic 50. Solution problems specializations And combinations industries V agriculture using EMM (using the example of a specific organization ) .

Topic 51. Using simulation modeling in the process of making management decisions (using the example of a specific organization )

Topic 52. Management of production activities of an organization (using a specific organization as an example ) based on the use of mathematical modeling .

Topic 53. Improving information support for management decisions using the example of modeling specialization and combination of industries (using a specific organization as an example ) .

Topic 54. Improving the efficiency of the human resources management system (using the example of a specific agro-industrial complex organization)

Topic 55. Development of personnel motivation directions in the management system (using the example of a specific agro-industrial complex organization)

Topic 56. Improving the motivation system for management personnel (using the example of a specific agro-industrial complex organization)

Topic 57. Improving the efficiency of personnel policy and personnel management strategy of an agricultural enterprise

Topic 58. Improving the organization of managerial work (using the example of a specific agro-industrial complex organization)

Topic 59. Improving the efficiency of the human resources management system (using the example of a specific agro-industrial complex organization)

Topic 60. Formation of a personnel reserve as a way to improve the efficiency of the management system (specify the organization)

Topic 61. Improving the organizational structure of an agricultural enterprise

Topic 62. Improving the labor quality management system (using the example of a specific agricultural organization)

Topic 63. Improving the product quality management system (using the example of a specific agricultural organization)

Topic 64. Improving operational management (using the example of a specific agro-industrial complex organization)

Topic 65. Key areas for improving competitiveness (specify organization)

Topic 66. Key areas for improving the competitiveness of agricultural products

Topic 67. Improving the strategic management model (specify the organization)

Topic 68. Improving the strategy of innovative development (specify the organization)

Topic 69. Improving the efficiency of innovation activities (using the example of a specific agro-industrial complex organization)

Topic 70. Managing the efficiency of fixed assets (using the example of a specific agro-industrial complex organization)

Topic 71. Managing the efficiency of intangible assets (using the example of a specific agro-industrial complex organization)

Topic 72. Managing the efficiency of human resources use (using the example of a specific agro-industrial complex organization)

Topic 73. Managing the efficiency of land use (using the example of a specific agro-industrial complex organization)

Topic 74. Managing the efficiency of inventory use (using the example of a specific agricultural organization)

Topic 75. Managing the efficiency of using machinery and tractor fleet (using the example of a specific agro-industrial complex organization)

Topic 76. Managing the efficiency of vehicle fleet use (using the example of a specific agro-industrial complex organization)

Topic 77. Resource potential management (using the example of a specific agro-industrial complex organization)

Topic 78. Managing the efficiency of production capacity utilization (using the example of a specific agro-industrial complex organization)

Topic 79. Management of material and technical supply (using the example of a specific agricultural organization)

Topic 80. Leasing and logistics management (using the example of a specific agro-industrial complex organization)

Topic 81. Improving the marketing strategy (using the example of a specific agricultural organization)

Topic 82. Improving the marketing management system (using the example of a specific agricultural organization)

Topic 83. Managing product policy in the marketing mix (using the example of a specific agro-industrial complex organization)

Topic 84. Improving marketing innovation policy (using the example of a specific agro-industrial complex organization)

Topic 85. Marketing justification for corporate culture development directions (using the example of a specific agro-industrial complex organization)

Topic 86. Improving the organizational and legal support of marketing activities (using the example of a specific agro-industrial complex organization)

Topic 87. Pricing policy management in the marketing mix (using the example of a specific agricultural organization)

Topic 88. Ways to improve information support for marketing activities (using the example of a specific agro-industrial complex organization)

Topic 89. Improving the effectiveness of advertising policy (using the example of a specific agro-industrial complex organization)

Topic 90. Improving the efficiency of a sales strategy (using the example of a specific agricultural organization)

Topic 91. Improving the efficiency of intellectual property management (using the example of a specific agro-industrial complex organization)

Topic 92. Improving the patent information management system (using the example of a specific organization in the agro-industrial complex)

Topic 93. Improving the efficiency of commercial use of intellectual property (using the example of a specific agro-industrial complex organization)

Topic 94. Organizational and economic justification of investment projects (using the example of a specific agro-industrial complex organization)

Topic 95. Justification of the economic efficiency of an investment project for the construction of agricultural production facilities

Topic 96. Justification of the economic efficiency of an investment project for the construction of agricultural processing facilities (using the example of a specific agro-industrial complex organization)

Topic 97. Justification of the economic efficiency of an investment project for the acquisition of production facilities (using the example of a specific agro-industrial complex organization)

Topic 98. Justification of the economic efficiency of an investment project for the reconstruction (modernization) of industrial facilities (using the example of a specific agro-industrial complex organization)

Topic 99. Improving the organization of labor standards (using the example of a specific organization in the agro-industrial complex)

Topic 100. Improving wages for workers in the crop production sector (livestock farming, and the enterprise as a whole) (using the example of a specific agro-industrial complex organization)

Topic 101. Improving the system of material incentives for workers in the crop production sector (livestock farming, and the enterprise as a whole) (using the example of a specific agro-industrial complex organization)

Topic 102. Improving the management of organizational culture (using the example of a specific agro-industrial complex organization)

Topic 103. Improving the planning system (using the example of a specific agro-industrial complex organization)

Topic 104. Improving the management of organizational and economic processes in milk production (using the example of a specific agro-industrial complex organization)

Topic 105. Improving the management of organizational and economic processes in the production of cattle rearing and fattening products (using the example of a specific agro-industrial complex organization)

Topic 106. Improving the management of organizational and economic processes in the production of pig farming and fattening products (using the example of a specific agro-industrial complex organization)

Topic 107. Improving the management of organizational and economic processes in the production of poultry farming and fattening products (using the example of a specific agro-industrial complex organization)

Topic 108. Improving the management of organizational and economic processes (using the example of a specific organization in the agro-industrial complex) in the egg sector

Topic 109. Improving the management of organizational and economic processes in rapeseed production (using the example of a specific agro-industrial complex organization)

Topic 110. Improving the management of organizational and economic processes in grain production (using the example of a specific agro-industrial complex organization)

Topic 111. Improving the management of organizational and economic processes in the production of grain corn (using the example of a specific agro-industrial complex organization)

Topic 112. Improving the management of organizational and economic processes in the production of corn for green mass (using the example of a specific agro-industrial complex organization)

Topic 113. Improving the management of organizational and economic processes in potato production (using the example of a specific agro-industrial complex organization)

Topic 114. Improving the management of organizational and economic processes in sugar beet production (using the example of a specific agro-industrial complex organization)

Topic 115. Improving the management of organizational and economic processes in fruit production (using the example of a specific agro-industrial complex organization)

Topic 116. Improving the management of organizational and economic processes in berry production (using the example of a specific agro-industrial complex organization)

Topic 117. Improving the management of organizational and economic processes in honey production (using the example of a specific agro-industrial complex organization)

Topic 118. Improving the strategy of entrepreneurial activity (using the example of a peasant farm and other small-scale business entities)

Topic 119. Improving the efficiency of the logistics system (using the example of a specific agricultural organization)

Topic 120. Improving procurement logistics (using the example of a specific agricultural organization)

Topic 121. Optimization of traffic flows (using the example of a specific agro-industrial complex organization)

Topic 122. Improving the organization of logistics activities (using the example of a specific agro-industrial complex organization)

Topic 123. Improving sales logistics (using the example of a specific agricultural organization)

### 3. APPROXIMATE STRUCTURE GRADUATION THESIS

#### Introduction

Chapter 1. Theoretical basics *studied problems* ( *specify V in accordance With theme works* )

1.1 Essential characteristic *studied problems* (categories, concepts, principles, goals, tasks, functions, types and etc.)

1.2. Domestic And foreign experience *By topic research* ( *specify V in accordance with theme works* )

1.3. Problematic (current) questions *By topic research* ( *specify V in accordance with theme works* )

Chapter 2. Organizational and economic characteristic and information support for the activities *of a business entity* (*specify Name*)

2.1. Organizational and managerial structure *subject management* (*specify Name*)

2.2. Grade resource potential and efficiency its use

2.3. Characteristic informational provision business (*describe the software used in various areas*

*activities organizations* (*personnel, economic, legal, accounting services, purchasing, supply and sales departments, control room services and etc., production industries, machine and tractor parka, For example, personalized accounting, ERP, accounting automation, reference and legal and information and legal systems, identification of animals, feed rations, GPS, preparation of technological maps, etc.*

*Brief description and screenshot from programs*)

Chapter 3. Modern state and prospects development ( *specify in accordance with theme works* )

3.1. Dynamics indicators efficiency ( *specify V in accordance With theme works* )

- 3.2. *Methodology research problems V in accordance With selected theme (specify)*
- 3.3. *Directions improvements ( specify V in accordance with theme works )*
- 3.4. *Development informational provision management processes ( specify V in accordance With theme works )*

Chapter 4 Security labor

Conclusion

List used sources

Applications

**APPLICATION 1**  
**Example design titular sheet graduation thesis**

MINISTRY OF AGRICULTURE AND FOOD OF THE REPUBLIC OF BELARUS  
MAIN CONTROL EDUCATION, SCIENCES AND PERSONNEL POLICY  
GRODNO STATE AGRARIAN UNIVERSITY  
DEPARTMENT

\_\_\_\_\_

Admitted to protection

«\_\_» \_\_\_\_\_202\_.

Head of Department

PhD in Economics sciences, associate  
professor

\_\_\_\_\_A.A. Ivanov

Performer: 4th year student of the Faculty of Economics and Accounting,  
specialty 1-26 02 02-07 Management (information) full-time forms of obtaining  
higher education

**Petrov Paul**

**GRADUATION THESIS**

on topic: "Improvement organizations managerial labor at JSC " Kroshin " of the  
Baranovichi district of the Brest region"

SCIENTIFIC SUPERVISOR:

PhD in Economics sciences, associate  
professor

Smirnov Semyon Semenovich

CONSULTANT

BY LABOR PROTECTION:

Senior teacher,  
agriculture and mechanization of  
technological processes department

Sidorov Sidor Sidorovich

Grodno 202\_

**APPLICATION 2**  
**Example design tasks on graduation thesis**

MINISTRY OF AGRICULTURE AND FOOD OF THE REPUBLIC OF BELARUS  
GRODNO STATE AGRARIAN UNIVERSITY  
FACULTY OF ECONOMICS AND ACCOUNTING  
Department \_\_\_\_\_

**APPROVAL**

Head of Department  
PhD in Economics sciences,  
associate professor

\_\_\_\_\_  
(signature) (initials, surname) A.A. Ivanov  
" \_\_\_\_ " \_\_\_\_\_ 202 \_

**ASSIGNMENT FOR A DIPLOMA PROJECT**

To the student Petrov Paul

Course 4

Study group 1

Speciality 1-26 02 02-07 Management (informational)

Topic graduation thesis "Improvement organizations managerial labor at JSC " Kroshin " of the Baranovichi district of the Brest region" was approved by the rector (order dated \_\_\_\_\_ No. \_\_\_\_).

Initial data for the graduation thesis : works of domestic and foreign authors, statistical collections, periodicals, scientific publications, annual reports, primary information.

List of issues to be developed (summary of the explanatory note):

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Scroll calculation and analytical materials:  
tables, drawings, etc. (specify) .

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Consultants for the graduation thesis (section "Occupational Safety"):

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## CONTINUATION APPENDICES 2

Calendar plan execution graduation thesis :

Name species work, chapters, section	Term execution
Introduction	March 202_ .
CHAPTER 1...	March 202_ .
1.1	
1.2	
1.3	
CHAPTER 2...	April 202_ .
2.1	
2.2	
2.3	
CHAPTER 3 ...	May 202_ .
3.1	
3.2	
3.3	
3.4	
CHAPTER 4 SECURITY LABOR	May 202_ .
CONCLUSION	May 202_ .
LIST USED SOURCES	May 202_ .
APPENDICES	May 202_ .

Date issuance tasks « \_\_\_\_\_ » \_\_\_\_\_ 202\_

Term surrender finished graduation thesis « \_\_\_\_\_ » \_\_\_\_\_ 202\_

Scientific supervisor

\_\_\_\_\_

(signature)

D. Semenov

(initials, surname)

Exercise accepted For execution

\_\_\_\_\_

(signature)

P. P. Petrov

(initials, surname)

## **APPLICATION 3**

### **Example design table of contents**

#### **TABLE OF CONTENTS**

INTRODUCTION	3
CHAPTER 1 THEORETICAL FOUNDATIONS OF HR POLICY	8
1.1 The essence and content of HR policy	8
1.2 Domestic and foreign experience in organizing HR policy	13
1.3 Current areas of research into HR policy	18
of an enterprise	23
CHAPTER 2 ORGANIZATIONAL AND ECONOMIC	23
CHARACTERISTICS AND INFORMATION SUPPORT FOR THE	
ACTIVITIES OF THE KSUP "POGRANICHNY-AGRO"	
2.1 Organizational and managerial structure of the KSUP "Pogranichny-Agro"	26
2.2 Assessment of resource potential and the effectiveness of its use on the farm	32
2.3 Characteristics of information support for the economic and managerial activities of the KSUP "Pogranichny-Agro"	38
CHAPTER 3 CURRENT STATE AND PROSPECTS FOR THE	38
DEVELOPMENT OF HR POLICY	
In KSUP "POGRANICHNY-AGRO"	40
3.1 Methodology for Researching HR Policy	45
3.2 Dynamics of HR Policy Performance Indicators	48
3.3 Areas for Improving HR Policy	51
3.4. Development of Information Support for Management Processes in HR Policy	55
CHAPTER 4 LABOR PROTECTION	57
CONCLUSION	60

## **APPLICATION 4**

### **Example design conditional designations and abbreviations in the graduation thesis**

#### **SCROLL CONDITIONAL SYMBOLS AND ABBREVIATIONS**

- VP - Gross products
- VD - Gross income
- OPF - Basic production funds
- ChD - Net income
- RUP - Republican unitary enterprise
- ETP - Electronic trading platform

**APPLICATION 5**  
**Sample abstract graduation thesis**

**ABSTRACT**

Graduation thesis: \_\_\_\_\_ pages, \_\_\_\_\_ tables, \_\_\_\_\_ sources,  
\_\_\_\_\_ appendix.

*KEYWORDS, KEYWORDS, KEYWORDS*

( key words are printed in nominative case through comma in capital letters letters in  
the center of the sheet )

Object of study \_\_\_\_\_

Item research \_\_\_\_\_

Purpose of the study \_\_\_\_\_

Research methods \_\_\_\_\_

Main results of the study: \_\_\_\_\_

Economic and social significance of the results obtained: \_\_\_\_\_

Possibility of practical application of the obtained results: \_\_\_\_\_

Area of possible implementation of the obtained results: \_\_\_\_\_

The author of the work confirms that the analytical and computational material presented in it correctly and objectively reflects the state of the process under study, and all theoretical, methodological and methodological provisions borrowed from literary and other sources are accompanied by references to their authors.

\_\_\_\_\_ P. Petrov

**APPLICATION 6**  
**Example design titular sheet graduation thesis**

MINISTRY OF AGRICULTURE AND FOOD OF THE REPUBLIC OF BELARUS  
MAIN CONTROL EDUCATION, SCIENCES AND PERSONNEL POLICY  
GRODNO STATE AGRARIAN UNIVERSITY

DEPARTMENT

\_\_\_\_\_

Admitted to protection

«\_\_» \_\_\_\_\_202\_.

Head of Department

PhD in Economics sciences, associate  
professor \_\_\_\_\_A.A. Ivanov

Performer: 4th year student of the Faculty of Economics and Accounting,  
specialty 1-26 02 02-07 Management (information) full-time forms of obtaining  
higher education

**Petrov Paul**

**GRADUATION THESIS**

on topic: "Improvement organizations managerial labor at JSC " Kroshin " of the  
Baranovich district of the Brest region "

SCIENTIFIC SUPERVISOR:

PhD in Economics sciences, associate  
professor

Smirnov Semyon Semenovich

CONSULTANT

BY LABOR PROTECTION:

Senior teacher,  
agriculture and mechanization of  
technological processes department

Sidorov Sidor Sidorovich

Grodno 202\_\_\_\_

**APPLICATION 7**  
**Example design tasks on graduation thesis**

MINISTRY OF AGRICULTURE AND FOOD OF THE REPUBLIC OF BELARUS  
GRODNO STATE AGRARIAN UNIVERSITY  
FACULTY OF ECONOMICS AND ACCOUNTING  
Department \_\_\_\_\_

APPROVAL  
Head of Department  
Candidate of Economic  
Sciences, Associate Professor  
\_\_\_\_\_  
A.A. Ivanov  
(signature) (initials, surname)  
" \_\_\_\_ " \_\_\_\_\_ 202 \_

**ASSIGNMENT FOR GRADUATION THESIS**

To the student Petrov Paul

Course 4

Study group 1

Speciality 1-26 02 02-07 Management (informational)

Topic graduation thesis "Improvement organizations managerial labor at JSC " Kroshin " of the Baranovichi district of the Brest region" was approved by the rector (order dated \_\_\_\_\_ No. \_\_\_\_).

Initial data for the graduation thesis : works of domestic and foreign authors, statistical collections, periodicals, scientific publications, annual reports, primary information.

List of issues to be developed:

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Scroll calculation and analytical materials:  
tables, drawings, etc. (specify) .

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Consultants for the graduation thesis (section " on labor protection "):

## CONTINUATION APPENDICES 7

Calendar plan execution graduation thesis s:

Name species work, chapters, section	Term execution
Introduction	March 202_.
CHAPTER 1...	March 202_ .
1.1	
1.2	
1.3	
CHAPTER 2...	April 202_ .
2.1	
2.2	
2.3	
CHAPTER 3 ...	May 202_ .
3.1	
3.2	
3.3	
3.4	
CHAPTER 4 SECURITY LABOR	May 202_ .
CONCLUSION	May 202_ .
LIST USED SOURCES	May 202_ .
APPENDICES	May 202_ .

Date issuance tasks « \_\_\_\_\_ » \_\_\_\_\_ 202\_

Term surrender finished graduation thesis « \_\_\_\_\_ » \_\_\_\_\_ 202\_ .

Scientific supervisor

\_\_\_\_\_

(signature)

D. Semenov

(initials, surname)

Exercise accepted For execution

\_\_\_\_\_

(signature)

P. P. Petrov

(initials, surname)

## APPLICATION 8

### Sample act about implementation results diploma research in production\*

**AGREED:**

Rector of the educational  
institution Grodno State  
Agrarian University

\_\_\_\_\_ V. V. Peshko

«\_\_» \_\_\_\_\_ 202\_\_

**APPROVAL:**

General manager

OJSC " \_\_\_\_\_ "

\_\_\_\_\_ I.I. IVANOV

«\_\_» \_\_\_\_\_ 202\_\_

### IMPLEMENTATION ACT

#### results of scientific research and innovation activities

in production NAME ORGANIZATIONS WHERE THE IMPLEMENTATION IS CARRIED OUT

We, the undersigned, the commission consisting of: LIST THE FULL NAMES AND POSITIONS OF THE COMMISSION MEMBERS (2 SPECIALISTS - FROM THE ORGANIZATION, 2 - FROM THE UGAU) By this act we confirm that the results of the work "TITLE OF THE TOPIC OF THE GRADUATION THESIS (PROJECT)" completed at the UO "GGAU" are presented in the following form:

1. Type of implemented results : LIST SPECIFIC RESULTS .
2. Characteristics of the scale of implementation: unique developments for economic services of processing organizations
3. Novelty of the results of scientific research: SPECIFY WHAT IT CONSISTS OF .
4. Economic effect from implementation: SPECIFY WHAT IT CONSISTS OF FOR THE ORGANIZATION WITH AN ASSESSMENT OF THE ECONOMIC EFFECT FROM IMPLEMENTATION

The act is drawn up in three copies

From the university  
Vice-Rector for Research

Gorchakov V. Yu. \_\_\_\_\_

\_\_\_\_\_

Manager and performers

\_\_\_\_\_

\_\_\_\_\_

From the company  
Responsible for implementation

\_\_\_\_\_

Members of the commission:

\_\_\_\_\_

\_\_\_\_\_

**APPLICATION 9**  
**Sample act O implementation results diploma research in the educational process \*\***

**APPROVAL**

Rector of an educational institution  
Grodno State  
Agrarian University  
\_\_\_\_\_ V.V. Peshko

« \_\_ » \_\_\_\_\_

**IMPLEMENTATION ACT**  
**of research and development**  
**in the educational process**

The commission consists of:

Chairman – TIMOSHCHENKO O.G., Head of the Educational and Methodological Department ;

Members of the Commission: LIST THE NAMES AND TITLES OF THE MEMBERS OF THE COMMISSION

hereby confirms that as a result of the completion of the research work “TITLE OF THE GRADUATION THESIS (PROJECT) TOPIC ”, completed by STUDENT'S FULL NAME The following main results were obtained :

LIST SPECIFIC RESULTS, which are implemented into the educational process of the department SPECIFY THE DEPARTMENT for completion SPECIFY THE DISCIPLINES IN THE STUDY OF WHICH THE RESULTS OF THE GRADUATION THESIS CAN BE USED for the specialty SPECIFY THE SPECIALTY in 202...

(department, academic discipline, specialty, academic year)

Minutes of the department meeting No. \_\_\_\_ dated \_\_\_\_\_20\_\_\_\_, on the implementation of research and development in the educational process.

Commission:

Chairman of the \_\_\_\_\_

Timoshchenko O.G.

Commission:

Members commissions : \_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

Scientific supervisor \_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

## APPENDIX 10

### Examples tables for analysis resource potential and efficiency its use in AGRICULTURAL ORGANIZATIONS

**Table 2.1 – Dynamics level resource potential (name of the enterprise)**

Indicators	Years			Attitude 20 __y. / 20 __y.
	20__	20__	20__	
Land area, ha				
including:				
agricultural land				
of which: arable land				
forage lands				
perennial plantings				
Average annual number of employees, people				
Labor costs, thousand man-hours				
Cost of fixed production assets, thousand rubles.				
Agricultural land accounts for 100 ra:				
- average annual employees, people				
- fixed production assets, thousand rubles.				
- gross output, thousand rubles.				
Labor productivity, thousand rubles/person.				
Return on assets, rubles/thousand rubles of fixed assets				
Profit margin, %				

Note: Source: Own development based on annual reports (company name) for the 20-20s.

\* The list is adjusted depending on the company's specialization.

## CONTINUATION APPENDICES 10

**Table 2.2 – Structure of commercial products (average for 3-5 years)**

Industries and types of products	Cost of commercial products, thousand rubles**	Structure, %
Crop production (total)		
including: cereals		
rape		
potato		
sugar beet		
fruit		
etc.*		
other products		
Animal husbandry (total)		
including: milk		
live weight gain of cattle		
etc.*		
other products		
<b>Total for the household</b>		<b>100.0</b>

Note: Source: Own development based on annual reports (company name) for the 20-20s.

\* The list is adjusted depending on the company's specialization.

\*\* Product costs are determined at current selling prices.

## CONTINUATION APPENDICES 10

**Table 2.3 – Level and efficiency of production (name of the enterprise)**

Indicators	Years			Attitude 20 __y. / 20 ____y.
	20__	20__	20__	
On 100 raagricultural land:				
- gross output, thousand rubles.				
- cash proceeds, thousand rubles.				
- profit, thousand rubles.				
- milk, centner				
- live weight gain, centner				
On 100 raarable land:				
grains, centners				
rapeseed, c				
- sugar beet, c				
etc.				
- increase in live weight of pigs, centners				
Profitability level, %				
including without state support, %				

Note: Source: Own development based on annual reports (company name) for the 20-20s.

\* The list is adjusted depending on the company's specialization.

## CONTINUATION APPENDICES 10

### Examples tables for analysis resource potential and efficiency its use in INDUSTRIAL ENTERPRISES

**Table 2.1 – Dynamics level resource potential and natural production volumes  
(name of enterprise)**

Type of resource, volume production	Years			Attitude	
	20__y.	20__y.	20__y.	+/-	%
Average annual number workers, person					
Average annual price working capital, thousand rubles					
Average annual price main production funds, thousand rub.					
Capital-labor ratio , rub./person					
<b>Volume production main species products, t</b>					
Oil from cow's milk					
Cheeses fatty (soft)					
Whole milk					
Kefir fatty					
Sour cream					
Cottage cheese fatty					
Cottage cheese low-fat					
Dry milk whole					
Dry milk low-fat					
Dry serum					
Substitute whole milk dry					

Note: Source: Own development based on annual reports (company name) for the 20-20s.

\* The list is adjusted depending on the company's specialization.

## CONTINUATION APPENDICES 10

**Table 2.2 – Production specialization (Name enterprises)**

View products*	Cost of commercial products, thousand rubles**			Average for 3-5 years	Structure, %	Ranking
	20 _____y.	20 _____y.	20 _____y			
Oil from cow's milk						
Fatty cheeses (soft)						
Whole milk						
Kefir fatty						
Sour cream						
Cottage cheese fatty						
Cottage cheese low-fat						
Dry milk whole						
Dry milk low-fat						
Dry serum						
Substitute whole dry milk						
<b>Total By main production</b>					100.0	

Note: Source: Own development based on annual reports (company name) for the 20-20s.

\* The list is adjusted depending on the company's specialization.

\*\* Product costs are determined at current selling prices.

## CONTINUATION APPENDICES 10

**Table 2.3 – Dynamics of economic efficiency of resource potential use (name of enterprise)**

Indicator	Years			Attitude	
	20__	20__	20__	20__y. / 20__y.	20__y. / 20__y.
				+/-	%
Commodity products (revenue), thousand rub.:					
- total By enterprise					
- on internal market*					
- on external market*					
Specific weight export supplies V in general volume revenue, %					X
Produced commodity products:					
- on average annual employee, thousand rub.					
- on 1 stand ard man - hour, rub.					
Return on assets OPS, rub./rub.					
Coefficient turnover ObS , once a year					
Norm profit (profitability capital), %					X
Level profitability (losses ) , %:					
- total By enterprise					X
- on internal market*					X
- on external market*					X
Level profitability (losses) products , %:					
Oil from cow's milk					
Cheeses fatty (soft)					
Whole milk					
Kefir fatty					
Sour cream					
Cottage cheese fatty					
Cottage cheese low-fat					
Dry milk whole					
Dry milk low-fat					
Dry serum					
Substitute whole milk dry					

Note: Source: Own development based on annual reports (company name) for the 20-20s.

\* at availability foreign trade activities

## APPENDIX 11

### Examples bibliographic descriptions publications, placed in list of references

#### 1. Examples descriptions independent documents

Source characteristics	Example bibliographic descriptions
<b>Publications With one, two And by three authors</b>	Vasilkova, ABOUT. A. Corner nature V children's garden / ABOUT. A. Vasilkova. - 3rd ed. - Mn.: Aversev, 2024. - 44 p.
	Bazhanov, E. P. Notes O Chinese civilizations / E. P. Bazhanov, N. E. Bazhanova. - M.: Dashkov and K <sup>o</sup> , 2023. - 302 pp.
	Dorofeenko, N. AND. Vitebsk underground / N. AND. Dorofeenko, N. IN. Dorofeenko, N. AND. Pakhomov. - Mn.: Zvyazda, 2024. - 253 With.
	Albrow, M. China and the shared human future: exploring common values and goals / M. Albrow; comp. Chang Xiangqun. - Beijing: New World Press, 2023. - XXII, [7], 337 p.
<b>Publications With four or more authors</b>	Agriculture / A. WITH. Masters, WITH. AND Trapkov, D. IN. Guard, D. AND. Romantsevich; under total. r ed. A. WITH. Masterova. - Slides: Bel. gos. s.-h. acad., 2022. - 211 With.
	Veterinary surgery / IN. A. Zhurba, IN. M. Arugula, E. AND. Veremey [And etc.]. - Mn.: Rep. in-t prof. education, 2021. - 431 pp.
	China's digital presence in the Asia-Pacific: culture, technology and platforms / M. Keane, Haiqing Yu, E. Jing Zhao, S. Leong. - London: Anthem Press, 2021. - X, 198 p.
<b>Publications With collective author</b>	Food and culture / S. Safaii-Waite, N. M. Furstenu, K. P. Sucher [et al.]. - 8th ed. - Boston: Cengage, 2024. - XI, 483 p.
	Genocide Belarusian people = Genocide of the Belarusian people: information and analytical materials And doc. / Generator. prosecutor's office Rep. Belarus; under total. r ed. A. AND. Swede. - Mn.: Belarus, 2023. - 175 p.
<b>Multi-volume editions generally</b>	International Association of Academies of Sciences – 30 years / NAS of Belarus; comp.: P. A. Vityaz, I. P. Bezlepkina; under total. r ed. IN. G. Gusakova. - Mn.: Bel. on the sound, 2023. - 120 sec.
	Story Belarusian statehood: V 5 T. / NAS Belarus, Institute stories; redkl.: A. A. Kovalenya (ch. (ed.) [And etc.]. - Mn.: Bel. on the sound, 2018–2020. - 5 T.
	Republic Belarus - 25 years creation And accomplishments: V 7 T. / ed. advice: IN. P. And reychenko [And etc.]. - Mn.: Bel. on the sound, 2020. - 7 T.
	Encyclopedia of social work: in 4 vol. / ed.: L. E. Davis, T. Mizrahi. - Oxford: Oxford Univ. Press, 2011. - 4 vol.
<b>Separate volumes in a multi-volume edition</b>	History of Belarusian statehood: in 5 volumes / NAS of Belarus, Institute of History; editorial board: A. A. Kovalenya (editor-in-chief) [and others]. - Mn.: Bel. n avuka, 2018–2020. - V. 1: Belarusian statehood: from its origins to the end of the 18th century / A. A. Kovalenya, A. I. Grusha, V. V. Danilovich [etc.]; resp. ed.: V.F. Golubev, O. N. Levko. - 2018. - 597 With.; T. 5: National statehood on fracture eras (second half of the XX – beginning of the XXI century) / A. A. Kovalenya, V. L. Lakiza, O. N. Levko [etc.]; resp. ed. N. IN. Smekhovich. - 2020. - 758 With.

	<p>The Republic of Belarus – 25 years of creation and achievements : in 7 volumes / editorial board: V. P. Andreychenko [And etc.]. - Mn. : Bel . on the sound , 2020. - T. 3 : Economic development / N. A. Abramchuk , N. N. Batova , V. I. Belsky [et al.]; scientific editorial board : M. IN. Myasnikovich [And etc.]. - 795 With.</p> <p>The international encyclopedia of media studies: in 7 vol. /gen. ed. AN Valdivia. – Malden [etc. ] : Wiley-Blackwell, 2013–2014. - Vol. 3 : Content and representation / ed. S. R. Mazzarella . – 2013. - 557 p.</p>
<b>Collections articles, works</b>	<p>Current problems theories And methods physical education And sports workout : Sat. scientific Art. / Brest . g os. university ; redkl . : TO. AND . White, IN. P. Lyukevich , S.K. Yakubovich. – Brest : BrSU , 2023. – 139 p.</p> <p>St. George's readings : Sat. tr. By military stories Fatherland / Ros . in oen.-history island ; ed.-compiled TO. A. Pahaluk . - M. : Yauza, 2021. – 637 With.</p>
	<p>Orthodoxy on land s Belarus: story And modernity : Sat. scientific Art. / Gomel . state. university, Gomel . diocese Bel. Orthodox . Churches ; redkl . : N. N. Pulp (chap. ed.) [and others]. – Gomel : GSU, 2024. – 119 p.</p> <p>Symbols And orders Russian empires : Sat. Art. / Ros . in oen.-history island ; ed.-compiled K. S. Zhukov. - M. : Prosveshchenie-Soyuz: Prosveshchenie, 2022. - 206 p.</p> <p>Communication theory and millennial popular culture : essays a. application / ed. K. G. Roberts. - New York [etc. ] : Peter Lang, 2016. - VIII, 255 p.</p>
<b>Conference Proceedings</b>	<p>Current problems design And design education : materials VI Int . sci. - pract . conf ., Minsk, April 14–15, 2022 / Bel. state University; editorial board : N. Yu. Frolova (ch. (ed.) [And etc.]. - Mn. : BSU, 2022. - 399 With.</p> <p>Current issues of social and humanitarian sciences and intercultural communication: language, culture, education and economics: Proceedings of the Third International . scientific - practical conf ., Saint Petersburg, 28–29 Apr 2022 G. / St. Petersburg state. university citizens . aviation ; redkl . : IN. AND . Petrishchev (responsible) ed.) [and etc.]. - St. Petersburg . : SPbGUGA , 2022. – 524 p.</p> <p>Information technology and management: materials of the 49th scientific conference of postgraduate, master's and undergraduate students, Minsk, May 6–10, 2013 / Bel . City University of Informatics And radio electronics ; redkl . : L. Yu. Shilin [And etc.]. - Mn. : BSUIR, 2013. - 103 With.</p> <p>Proceedings of the International Scientific and Technical Conference "Modern Electrochemical Technologies and Equipment - 2023", May 15-19, 2023, Minsk, Rep . Belarus / Bel . g os. technol . university ; redkl . : AND . IN. Voitov (ch. ed.), AND . M. Zharsky , A. A. Blueberry. - Mn. : BSTU, 2023. - 272 With.</p> <p>Learning technology for education challenges : proc. of the 12th intern. workshop, Kaohsiung, 29 July - 1 Aug. 2024 / ed.: L. Uden , D. Liberona . - Cham : Springer, 2024. – 378 p.</p>
<b>Dissertations</b>	<p>Amosova, Yu. V. Refraction of artistic traditions of China and Japan in contemporary art of Belarus : diss . ... Cand . of Art History: 17.00.09 / Amosova Julia Vladimirovna ; Bel . g os. university cultures And arts. - Mn., 2023. – 221 l.</p> <p>Tsvirko, R. IN. Syntaxonomic And typological structure pine forests of Belarus : diss . ... Cand . Biol. Sciences: 03.02.01; 03.02.08 / Tsvirko Ruslan Vladimirovich ; Institute experiment . botanists NAS Belarus. - Mn., 2018. - 245 l.</p> <p>Rose, J. L. A philosopher analysis of the play concept : diss . ... for the degree of Dr. of Philosophers / Rose Jason Liban ; Purdue Univ. – West Lafayette, 2021. - 252 l.</p>
<b>Dissertation abstracts</b>	<p>Grigorenko, E. A. Hepatocardial continuum of liver transplant recipients: from cirrhotic cardiomyopathy to chronic ischemic heart disease: author's abstract of diss ... doctor of medicine . Sciences : 01/14/05 / Grigorenko Elena Alexandrovna ; Bel . g os. honey. University - Mn., 2022. - 43 With.</p>

	Smirnov, A. V. Research and compensation of nonlinear signal distortions in an amplifier power : author's abstract dis . . . Cand . tech . sciences : 2.2.13 / Smirnov And rey Vladimirovich; Moscow tech . University of Communications and Informatics (MTUSI). – M., 2022. – 27 sec.
<b>Textbooks, educational teaching materials</b>	Geology oil And gas : method. recommendations To practical . classes / Bel . - Ros. university ; comp. AND . IN. Gomelyuk . - Mogilev : Bel . - Ros. university, 2024. - 47 With.
	Ivut , R. B. Organization And planning on enterprise : teaching method . allowance : V 3 h. / R. B. Ivut , P. AND . Lapkovskaya , T. L. Yakubovskaya. - Mn. : Bel . n a c. tech . University, 2021–2022. – Part 1. – 2021. – 177 p.
	Story Belarusian statehood : studies . p individual / AND . A. Marzalyuk , A. G. Kokhanovsky , S. N. Khodyn [et al.]; edited by I. A. Marzalyuk . – Mn . : Education i hauled out , 2024. - 223 pp.
	Petrov, IN. IN. Clinical toxicology : method . at the kazan / V.V. Petrov, E. IN. Romanova. - Vitebsk : Vitebsk . state. acad. vet . m units, 2024. - 30 With.
	Sokhor , A. N. Music How view arts : studies . p individual / A. N. Sokhor . - Ed. 3rd , erased - St. Petersburg . [ And [etc.] : Doe : Planet music, 2022. - 124 With.
<b>Archival materials</b>	Archive courts Leninsky district G. Minsk for 2008 G. - Criminal case No. 1- 485/08 (14).
	Belarusian дзяржаўны архі ў - музей literature i mastatstva (БДАМЛІМ). - F. 3. Wop .
	1. Ref . 97. Ark . 61.
	State archive Grodno areas ( GAGr ). - F. 125. Op. 2. D. 223–228.
	National apx iў Республікі Belarus (NARB). - F. 4p. Wop . 1. Ref . 4329. Ark . 2. Argyginal
	Russian state archive socio-political stories (RGASPI). - F. 325. Op. 2. D. 26. L. 11–45.
<b>Reports O R&amp;D</b>	Preparing future teachers for designing a correctional and developmental environment for inclusive education : research report ( conclusion ) / Bel . g . os. ped . un-t; head. ABOUT. IN. Mamonko ; executor : WITH. E. Gaidukevich, N. IN. Drozdova, A. A. Savitskaya, A. A. Sass . – Mn., 2020. - 194 pp. – No. GR 20180995.
	Theory cluster development economy V context extensions use of secondary resources : research report ( conclusion ) / Bel . n ac. tech . University; hand s E. I. Bakhmatova ; performed by : E. A. Bidzyura , V. A. Voiteshonok , A. S. Nikitenko. - Mn., 2023. - 1 CD-RW. - No. GR 20213413.
	Formation genetic structures herds : report O R&D ( intermediate ) : 42–44 / All-Russian . scientific research in-t animal husband ry ; hand s IN. A. Popov ; executor : G. P. Aleshin, I. V. Kovaleva, N. K. Latyshev [and others]. – M., 2001. – 75 p. – GR No. 01840051145. - Inv. No. 04534333943.
<b>Deposited scientific works</b>	Octopus , E. A. Analysis text V cultural studies : workshop / E. A. Octopus ; Moscow . state. linguist at n-t. – M., 2017. - 23 With. - Dep . V INION RAS October 31, 2017, No. 61157.
	Very, N. L. Methodology training Russian language How foreign / N. L. Very much ; Bel . g os. University - Mn., 2011. - 1 CD-ROM. - Dep . V State University BelISA February 28, 2011, No. 3- B2011.
<b>Overview information</b>	The present and future of drained swamps in Belarus / V. S. Anoshko , S. M. Zaiko, L. F. Vashkevich , WITH. WITH. Bachila . - Mn. : Bel. scientific research center "Ecology", 2005. - 45 pp. – (Overview information / Ministry of Natural Resources and Environmental Protection Rep . Belarus, BelNITs "Ecology").
<b>Catalogs</b>	Catalog innovative developments organizations NAS Belarus For substitutions critical import / NAS Belarus ; comp.: N. M. Litvinenko, N. G. Kozlova ; editor-in-chief V. L. Gursky. – Minsk: Bel . n avuka , 2022. – 396 p.

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### 3. Examples descriptions official documents

Source characteristics	Example bibliographic descriptions
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<b>Decrees, Decrees</b>	On the confiscation of all property of the Sestroretsk metal plant : Decree of the Council of People's Commissars . to the commissioners of the RSFSR of January 12, 1918 // Collection of laws and regulations Worker And Peasant Governments. – 1918. - No. 16. - Art. 235.
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	On the protection of consumer rights : Law of the Republic of Belarus of January 9, 2002, No. 90-Z : as amended by 8 July 2008 G. No. 366-Z : With amend. And add. from 22 Apr 2024 G. No. 365-3. - Mn. : Amalfeya , 2024. – 71 p.
	About investment funds : Law Rep . Belarus from 17 July 2017 G. No. 52-Z : V ed. from 8 July 2024 G. No. 27-Z // illex : inform . legal system (date accessed: 01.10.2025).
<b>Resolutions</b>	ABOUT preparation affairs To judicial investigation V arbitration in court : Resolution of the Plenum of the Supreme Court of the Russian Federation of June 4, 2024 No. 12 // ConsultantPlus . Russia : ref . p legal system (date appeals: (01.10.2025).
	ABOUT delivery (purchase) agricultural products And raw materials For republican state needs for 2024: Resolution of the Council of Ministers R e p . Belarus from 16 Jan 2024 G. No. 35 : V ed. from 24 Dec. 2024 G. No. 1008 // STAND ARD : information - search system (date appeals: (01.10.2025).
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	<p>ABOUT form declarations on goods And in order her filling : order Komis . Customs Union of May 20, 2010 No. 257 : as amended on June 25, 2024 No. 73 // ConsultantPlus . Belarus : ref . p legal system (date appeals: (01.10.2025).</p>
<b>Provisions</b>	<p>Position about implementation physical persons hand ircraft activities : approved by Decree of the President Republic of Belarus dated August 21, 2024 No. 328 // ConsultantPlus .</p> <p>Belarus : ref . p legal system (date appeals: (01.10.2025).</p>
	<p>Model Regulations on Mobilization Structures: approved by Government Resolution Republic of Tajikistan dated March 30, 2013 No. 145 // Legislation countries CIS. - URL: <a href="https://base.spinform.ru/show_doc.fwx?rgn=60039">https://base.spinform.ru/show_doc.fwx?rgn=60039</a> (date accessed: 01.10.2025).</p>
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<b>Instructional and regulatory documents</b>	<p>Instructions on the procedure for conducting mand atory and extraordinary medical examinations of employees : [approved by the Resolution of the Ministry of Health of the Republic of Belarus dated 29 July 2019 G. No. 74 : intro. V force With amend. from 12 Oct. 2023 G.]. - Mn. : Energopress , 2023. - 306 With.</p> <p>Instructions By office work V state organs, others organizations : approved by the Resolution of the Ministry of Justice of the Republic of Belarus dated January 19, 2009, No. 4: as amended by the Resolution M- va justice R e p . Belarus January 10, 2024 No. 2. - Mn. : Bel . n auch.- research . in-t documentation And arch. affairs, 2024. - 93 With.</p>
<b>Comments to normative - legal acts</b>	<p>Amelchenya , Yu. A. Scientific and practical comment To law Republics Belarus dated July 13, 2012 No. 419-Z "On public procurement of goods (works, services)" / Yu. A. Amelchenya , O. A. Bakinovskaya , N. A. Gurinovich . - Mn .: Colorgrad , 2022. – 399 pp.</p>
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## APPLICATION 12

### REFERENCE

about use enterprise materials in the graduation thesis

« \_\_\_ » \_\_\_\_\_ 20 \_\_\_ g. No. \_\_\_

Issued \_\_\_\_\_  
(surname, Name, surname student )

that at preparation graduation thesis \_\_\_\_\_

\_\_\_\_\_  
(full Name graduation thesis )

materials were used \_\_\_\_\_  
(Name organizations)

\_\_\_\_\_  
The certificate is issued for presentation to the Educational Institution "Grodno State Agrarian University"

\_\_\_\_\_  
(job title manager organizations)

\_\_\_\_\_  
(signature)

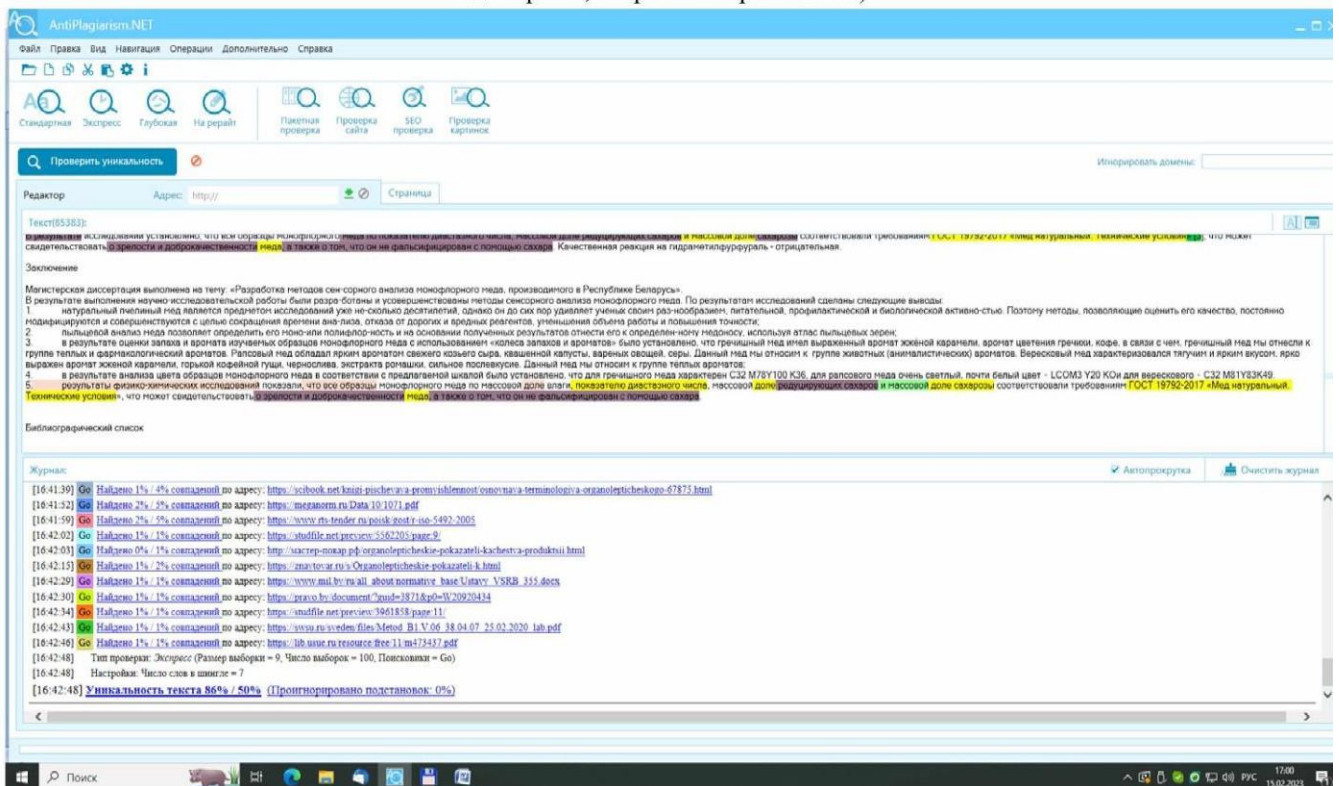
\_\_\_\_\_  
(initials, surname)

**M.P.**

# APPLICATION 13

## IVANOV Ivan Ivanovich "IMPROVEMENT ORGANIZATIONS MANAGERIAL LABOR AT JSC "KROSHIN" BARANOVICHSKY DISTRICT BREST REGIONS"

(theme font: Times New Roman font, 14 pt , bold, all caps. Paragraph: alignment By center, indent left, on the right 0 Fri, interval single line spacing, no hyphenation)



Scientific supervisor  
date

signature

full name

**APPLICATION 14**  
**Form statements For preparation graduation thesis**

To the rector UO "GGAU" Peshko V.V.  
4th-year student of the Faculty of Economics and  
accounting of full-time education, specialty  
"management"  
Petrov P.P.

STATEMENT

I request permission to complete a graduation thesis at the Department of \_\_\_\_\_ on the topic: “\_\_\_\_\_ in OJSC “\_\_\_\_\_” \_\_\_\_\_ district of \_\_\_\_\_ region” and assign the supervisor to Associate Professor of the Department \_\_\_\_\_.

September 3, 2026

P.P. Petrov

Agreed:  
scientific head, associate  
professor

\_\_\_\_\_

CONCLUSION: approve the topic “\_\_\_\_\_” and appoint Associate Professor of the Department \_\_\_\_\_ as the head

Head of Department department

\_\_\_\_\_  
09/03/2026

**APPENDIX 15**  
**Form reviews on graduation thesis**

REVIEW  
on graduation thesis  
student 4 course faculty economy and accounting  
full-time education  
specialties 1-26 02 02-07 Management (informational)

\_\_\_\_\_

Full name student

Relevance of the topic of the graduation thesis \_\_\_\_\_

The volume of the assignment for the graduation thesis is \_\_\_\_\_

The degree of independence and initiative of the student \_\_\_\_\_

The student's ability to use specialized literature \_\_\_\_\_

The student's ability to carry out project-based, technological, research, executive, organizational and other work \_\_\_\_\_

Possibility of using the obtained results in practice \_\_\_\_\_

Possibility of assigning the qualification of "manager-economist" to a student \_\_\_\_\_

Scientific supervisor \_\_\_\_\_

scientist degree, rank, Full name

" \_\_\_\_ " \_\_\_\_\_ 20 \_\_\_\_ . \_\_\_\_\_

**APPLICATION 16**  
**Form reviews on graduation thesis**

REVIEW  
on graduation thesis  
student 4 course faculty economy and accounting  
full-time education  
specialties 6-05-0412-01 Management

---

Full name student

Relevance of the topic of the graduation thesis \_\_\_\_\_

The volume of assignments for the graduation thesis is \_\_\_\_\_

The degree of independence and initiative of the student \_\_\_\_\_

The student's ability to use specialized literature \_\_\_\_\_

The student's ability to carry out project-based, technological, research, executive, organizational and other work \_\_\_\_\_

Possibility of using the obtained results in practice \_\_\_\_\_

Possibility of assigning the student the qualification of "Manager . Economist"

---

Scientific supervisor \_\_\_\_\_

scientist degree, rank, Full name

" \_\_\_\_ " \_\_\_\_\_ 20 \_\_\_\_ . \_\_\_\_\_

**APPLICATION 17**  
**Form reviews on graduation thesis**

REVIEW  
on graduation thesis  
student 4 course faculty economy and accounting  
full-time education  
specialties 1-26 02 02-07 «Management (informational)»

\_\_\_\_\_

Full name student

Relevance of the topic of the graduation thesis

\_\_\_\_\_

The degree of conformity of the graduation thesis with the assignment for the graduation thesis \_\_\_\_\_

Logicality of the structure of the material \_\_\_\_\_

Completeness and consistency of the critical review and analysis of literature on the topic of the graduation thesis \_\_\_\_\_

Completeness of the description of the calculation method or the research conducted, presentation of one's own calculation, theoretical and experimental results, a mark of the reliability of the obtained expressions and data \_\_\_\_\_

Availability of reasoned conclusions based on the results of the graduation thesis

\_\_\_\_\_

Practical significance of the graduation thesis and the possibility of using the obtained results \_\_\_\_\_

Disadvantages and weaknesses of the graduation thesis \_\_\_\_\_

Comments on the design of the graduation thesis and the style of presentation of the material \_\_\_\_\_

Graduation thesis \_\_\_\_\_ complies / does not comply requirements, Maybe be appreciated by \_\_\_\_\_ points, and the author \_\_\_\_\_ deserves / does not deserve the award qualification "manager-economist".

Reviewer \_\_\_\_\_

\_\_\_\_\_ scientist degree, rank, Full name

" \_\_\_\_ " \_\_\_\_\_ 20 \_\_\_\_ . \_\_\_\_\_

**APPENDIX 18**  
**Form reviews on graduation thesis**

REVIEW  
on graduation thesis  
student 4 course faculty economy and accounting  
full-time education  
specialties 6-05-0412-01 «Management»

---

Full name student

Relevance of the topic of the graduation thesis \_\_\_\_\_

The degree of conformity of the graduation thesis with the assignment for the graduation thesis \_\_\_\_\_

Logicality of the structure of the material \_\_\_\_\_

Completeness and consistency of the critical review and analysis of literature on the topic of the graduation thesis \_\_\_\_\_

Completeness of the description of the calculation method or the research conducted, presentation of one's own calculation, theoretical and experimental results, a mark of the reliability of the obtained expressions and data \_\_\_\_\_

Availability of reasoned conclusions based on the results of the graduation thesis

---

Practical significance of the graduation thesis and the possibility of using the obtained results \_\_\_\_\_

Disadvantages and weaknesses of the graduation thesis \_\_\_\_\_

Comments on the design of the graduation thesis and the style of presentation of the material \_\_\_\_\_

Graduation thesis \_\_\_\_\_ complies / does not comply requirements of higher education, Maybe be appreciated \_\_\_\_\_ points, and the author deserves / does not deserve the award qualification "Manager. Economist".

Reviewer \_\_\_\_\_

scientist degree, rank, Full name

" \_\_\_\_\_ " \_\_\_\_\_ 20 \_\_\_\_.

Educational edition

S.Yu. Shcharbatsiuk

O.V. Audzeychyk

V.A. Galaukou

A.V. Hribau

M.V. Pestis

T.G. Khatsianeovich

A.A. Kazlou

N.G. Barkova

Methodological recommendations

By execution graduation thesis for students in specialties

1-26 02 02-07 Management (informational)

6-05-0412-01 Management

Computer layout: N.G. Barkova

Institution education

Grodno state agrarian university"

Tereshkova St., 28, 230008, Grodno