

МІНІСТЕРСТВО ОСВІТИ І НАУКИ УКРАЇНИ
ХАРКІВСЬКИЙ НАЦІОНАЛЬНИЙ ЕКОНОМІЧНИЙ УНІВЕРСИТЕТ
ІМЕНІ СЕМЕНА КУЗНЕЦЯ

"ЗАТВЕРДЖУЮ"
Заступник керівника
(проректор з науково-педагогічної роботи)
М. В. Афанасьєв



Основи науково-аналітичних досліджень

робоча програма навчальної дисципліни

Галузь знань	07 Управління та адміністрування
Спеціальність	073 Менеджмент
Освітній рівень	перший (бакалаврський)
Освітня програма	Бізнес-адміністрування

Вид дисципліни	вибіркова
Мова викладання, навчання та оцінювання	англійська

Завідувач кафедри
менеджменту та бізнесу



Т. І. Лелейко

Харків
ХНЕУ ім. С. Кузнеця
2019

MINISTRY OF EDUCATION AND SCIENCE OF UKRAINE

SIMON KUZNETS KHARKIV NATIONAL UNIVERSITY OF ECONOMICS

Basis of scientific analytical researches
syllabus of the academic discipline

Subject area	07 Management and administration
Speciality	073 Management
Educational qualification	first (bachelor)
Education program	Business administration

Type of the discipline	selective
Language of teaching, studying and assessment	English

Head of Management and
business department

T. Lepeyko

Kharkiv
S. Kuznets KhNUE
2019

APPROVED

at the meeting of the Management and Business department
Protocol № 1 dated 29.08.2019.

Compiled by:

O. Myronova, PhD, Associate professor of Management and Business department

**Sheet of renewal and re-approval
of the academic discipline syllabus**

Academic year	Date of the department meeting – developer of syllabus of the academic discipline	Protocol number	Sign of Head of the department

1. Introduction

Abstract of the discipline. Current economic conditions increase the role of science in making management decisions. Therefore, future management specialist should have a significant level of theoretical knowledge and practical skills in conducting scientific research and effective organization.

Manager must be able to independently organize their research activities, and know how to implement the knowledge in practice. Modern manager needs experience in the formation of the scientific potential of the company, accompanied by the selection and training of highly qualified personnel. Such activity also necessitates the use of a scientific approach.

The purpose of the discipline is: knowledge acquisition system with theoretical and methodological foundations, practical skills of the organisation of scientific research and their implementation in the activity of the enterprises.

Academic year	3	
Semester	5	
Number of credits ECTS	5	
Studies in class	lectures	30
	seminar (practical)	44
Independent training		76
Final assessment	pass	

Structural logical scheme of the discipline studying:

Previous disciplines	Next disciplines
Micro and microeconomics	Planning and organization of an enterprise's activity
Economy of Enterprises	Technologies of administration and making decisions in business
Management	Management of innovations
Statistics	Assessment of business efficiency

2. Competencies and results of discipline study:

Competencies	Study results
The ability to classify sciences, single out their basic features, distinguish the stages of development	Skills of formulating a topic, a problem, aims and tasks of scientific research
The ability to analyze the theoretical and empirical researches	Skills of identifying actual topic for scientific and analytical research based on the scientific experience
The ability to formulate basic scientific concepts and definitions; establish the relationship between concepts and words	Knowledge of the nature and extent of the concept, the concept of genus and species, rules of formation of definitions
The ability to receive, process, and analyze information get from literature	Knowledge of methods and techniques of information search, methods of study and treatment of references, features of citation
The ability to formulate analytical conclusions of the analysis of the literature	Knowledge of the system elements of the scientific discussion, methods of reasoning in a scientific discussion
The ability to apply mathematical methods and models in economic research; construct a mathematical model of the relationship between economic phenomena and processes	Knowledge of the mathematical methods, methods of establishing causal relations, methods of empirical research, methods of theoretical research, stages of modeling

3. The syllabus of the academic discipline

Content module 1. Theoretical foundations of the science and scientific activity

Theme 1. Science and scientific thinking. Research technology

Science as a system of knowledge. Classification of sciences. The main functions of science. Main categories of science: theory, fact, hypothesis, concept. Evolution of science. Scientific thinking. System elements of the theme of scientific research. Setting themes, problems, goals and objectives of scientific research. Relevance of the topic. Object and subject of scientific study.

Structural model of the domain. Types of research results. Reliability and validity of scientific results. The concept of a new scientific result. Diagram of the stakeholders.

Theme 2. Methodology of theoretical and empirical research. Formulation of the topic of scientific research

Selecting the topic for scientific research. Formulating scientific and applied science of the investigation. Determination of the purpose and tasks of scientific and analytical research.

Theme 3. Methods of working with concepts

Concept. Significant features of objects. The relationship of concepts and words. The nature and extent of concepts. The relationship between concepts. Generic and specific concepts. Conclusion and limitations of concepts. Types of concepts. Definitions. Terms of designations.

Classification of concepts. Regulation of classifications. Errors in classification.

Content module 2. Technology of scientific and analytical research

Theme 4. The technology of working with literature

The necessity of the study of scientific literature. Typology of scientific and technical information, the main types of publications. Methods and techniques of information search. A bibliography. Methods of study and treatment of references. Study books and articles. "Slow" and "quick" reading technologies. Principles of reading.

Types of analysis and memorization of information: abstract, summary, scientific abstracting, scientific review. Stages of the scientific literature. Citation.

Finding information in the Internet. Searching engines.

Theme 5. Research methods and models

Mathematical methods. Methods of economic life researching. The analysis and synthesis. Induction and deduction. Analogy. Idealization, abstraction, ranking. Methods of establishing causal relations. Methods of empirical research: observation, comparison, measurement, experiment. Methods of theoretical research: abstraction, idealization, formalization, generalization, experiment axiomatic method, hypothetical method of modeling.

Models and modeling – a tool of science. Stages of modeling. Types of models. Economic modeling. Requirements for models.

Theme 6. Presentation of research results

Presentation of research results. Articles, abstracts, monograph. Scientific and technical report. Report of student's scientific research work. System elements of the scientific discussion. Methods of reasoning in a scientific discussion. The general idea of public appearance. Oratory speech as a process. Improvisation.

4. The system of the study results assessment

The system of evaluation of the developed competencies takes into account the types of lessons, which, according to the syllabus, include lectures, seminars and practical classes, independent training. Assessment of the developed competencies is carried out using a 100-point accumulation system. In accordance with the Provisional Regulations "On the Procedure for Assessing the Results of Students' Learning Based on the Accumulated Bulletin-Rating System" Simon Kuznets KhNEU, control measures include:

current control during the semester during lectures, practical, seminars and is estimated by the sum of the points scored (the maximum amount is 100 points; the minimum amount that allows the student to take the exam – 60 points);

modular control carried out in the form of an express tests (the maximum amount is 12 points in semester) and written tests (the maximum amount is 24 points in semester) as an intermediate mini-exam on the initiative of the teacher, taking into account the current control over the relevant content module and aims to integrate the evaluation of the student's learning outcomes after studying the material from the logically completed part of the discipline – content module;

final / semester control, conducted in the form of a written test (the maximum amount is 12 points).

The procedure for carrying out the **current assessment** of students' knowledge. Assessment of student's knowledge during lectures, seminar / practical classes and performance of essay, presentations, scientific analytical tasks are carried out according to the following criteria:

consistent and thorough study of the studying materials: study of basic categories of science and research activities in science; mastering the principles of systematic approach and methods of system analysis as the basis of scientific thinking; getting acquainted with the essence of various tools of scientific research; acquisition of theoretical knowledge and practical skills in the organization of research works; creation and use of information support for scientific research; implementation of research results and evaluation of their economic efficiency;

preparation of reports and presentations by the students on outlined issues, their speeches, activity in discussion, ability to formulate and defend their position, etc.;

implementation of theoretical knowledge and practical skills in order to formulate the common problem for scientific research; ability to discuss about the solving problems.

General criteria on which the evaluation of extracurricular students' independent work is performing the scientific research report as a practical application of theoretical knowledge of solving specific problems that are concerning the management of an enterprise and have logical, demonstrative, argumentative characters and meet the following requirements:

contain in-depth comprehensive analysis of the investigated problem;

contain elements of independent research;

contain concrete proposals in the investigated problem;

be executed in accordance with requirements;

be completed and filed in the department within a period provided by the schedule of the educational process.

The **final control** of the students' knowledge and competencies is based on semester written test, the task of which is to check the student's understanding of the program material in general, the logic and interrelations between the individual sections, the ability to use the accumulated knowledge creatively, the ability to formulate their attitude to a particular problem of academic discipline, etc.

A student should be considered certified if the sum of the points obtained on the basis of the final / semester examination is equal to or exceeds 60.

The final score in the discipline is calculated on the basis of the points obtained during the final control and the points obtained during the current control over the accumulation system. The total score in the points for the semester is: "60 and more points are passed", "59 and less points are not passed", and entered in the record "Record of success" of the discipline.

Distribution of points in weeks

Themes of the content module			Lectures	Seminar / practical	Home works	Essay	Presentation	Checking tasks	Express test	Written test	Total
Content module 1.	Theme 1	week 1	1	0.5	0.5						2
	Theme 1	week 2	1	1	1						3
	Theme 2	week 3	1	0.5	0.5						2
	Theme 2	week 4	1	0.5	0.5	6					8
	Theme 2	week 5	1	1	1						3
	Theme 3	week 6	1	0.5	0.5						2
	Theme 3	week 7	1	1	1						3
Content module 2.	Theme 4	week 8	1	0.5	0.5			6	6		14
	Theme 4	week 9	1	0.5	0.5						2
	Theme 4	week 10	1	1	1					12	15
	Theme 5	week 11	1	1	1						3
	Theme 5	week 12	1	0.5	0.5						2
	Theme 5	week 13		0.5	0.5						1
	Theme 6	week 14	1	0.5	0.5						2
	Theme 6	week 15	1								1
	Theme 6	week 16	1	0.5	0.5			6	6		14
	Theme 6	week 17		1	1		9			12	23
Total			15	11	11	6	9	12	12	24	100

Evaluation scale

Total score on a 100-point scale	ECTS assessment scale	Assessment on the national scale
90 – 100	A	excellent
82 – 89	B	good
74 – 81	C	
64 – 73	D	satisfactory
60 – 63	E	
35 – 59	FX	unsatisfactory
1 – 34	F	

5. Recommended reading

Main

1. Організація наукових досліджень, написання та захист магістерської дисертації [Текст] : навч. посіб. / А. Ю. Берко, Є. В. Буров, О. М. Верес, А. В. Катренко; за наук. ред. В.В. Пасічника. – Львів : Новий Світ-2000, 2010. – 280 с.

Additional

2. European Textbook on Ethics in Research / European Commission. – Luxembourg: Publications Office of the European Union, 2010. – 212 p.

3. Ringer F. UNESCO Guidebook on Textbook Research and Textbook revision / F. Ringer. – Paris/Braunschweig, 2010. – 84 p.

4. Shavelson Richard J., Towne L. Scientific Research in Education / Richard J. Shavelson, L. Towne. – Washington: National Academy Press, 2001. – 180 p.

Information resources

5. Основи науково-аналітичних досліджень / Basis of scientific analytical research [Електронний ресурс] / Сайт ПНС. – Режим доступу: <https://pns.hneu.edu.ua/course/view.php?id=688>.