## MINISTRY OF EDUCATION AND SCIENCE OF UKRAINE WEST UKRAINIAN NATIONAL UNIVERSITY

# SYLLABUS of the course "Human Development"

Degree of Higher Education - Bachelor Branch of Knowledge - 07 Management and Administration Specialty - 073 Management Educational and Professional Program: "Personnel Management"

### Department of Management, Public Administration and Personnel

|           | Year<br>of<br>study | Semester | Lec-<br>tures<br>(hours) | riactical | ndividual<br>student's<br>work<br>(hours) | Training | ndependent<br>student's<br>work<br>(hours) | Total<br>(hours) | Credit (sem.) |
|-----------|---------------------|----------|--------------------------|-----------|---|----------|--|------------------|---------------|
| Full-time | 2                   | 4        | 30                       | 30        | 4   | 8        | 78   | 150              | 4             |
| Part-time | 2                   | 4        | 8                        | 4         |   |          | 138  | 150              | 4             |

This is a literal translation of the syllabus of the course "Human Development" that was compiled by Candidate of Geographical Sciences (Ph.D.), Associate Professor of the Department of Management, Public Administration and Personnel Iryna ILLIASH.

This translation is identical to the content of the syllabus of the course "Human Development" in Ukrainian.

Associate Professor of the Department of Management, Public Administration and Personnel

Nataliya KOTYS

The syllabus was approved at the meeting of the Department of Management, Public Administration and Personnel, protocol № 2 from 29.08.2024.

Head of the Department Dr. of Economics, Professor

Mykhailo SHKILNIAK

## STRUCTURE OF THE WORK PROGRAM OF THE ACADEMIC COURSE "HUMAN DEVELOPMENT"

1. Description of the course "Human Development"

| Course "Human Development"   | Field of knowledge,<br>specialty, higher education<br>degree                                   | Characteristics of the academic COURSE  |
|--|--|---|
| Number of credits – 5  | Field of knowledge – 07<br>Management and<br>administration                                    | Course status: elective<br>Language of learning: English  |
| Number of credit modules – 4   | Specialty 073 Management,<br>Educational and professional<br>program "Personnel<br>Management" | Year of preparation: Full-time – 2 Part-time – 2 Semester: Full-time – 4 Part-time – 4  |
| Number of content modules – 2  | Higher education degree –<br>bachelor  | Lectures: Full-time – 30 hours Part-time – 8 hours Practical classes: Full-time – 30 hours Part-time – 4 hours                  |
| Total number of hours – 150  |  | Independent work: Full-time – 78 hours Part-time – 138 hours Training: Full-time – 8 hours Individual work: Full-time – 4 hours |
| Weekly hours: Full-time form of study 4 semester – 10 hours, of which classroom – 4 hours. |  | Type of final control – credit  |

#### 2. The purpose and objectives of studying the course "Human Development"

#### 2.1. The purpose of studying the COURSE

The purpose of the academic course "Human Development" is for students to obtain theoretical knowledge about: the development of human potential and the concept of sustainable development of society; human capital, potential, their interdependence and dialectics; urbanization and population settlement systems and their impact on the development of humanity; socioeconomic processes and phenomena in the modern world that precede, accompany, arise due to and as a result of human development; civilizational challenges of economic development; dimensions of human development of countries of the world and its regional features in Ukraine; sustainable development and its goals in a global sense.

#### 2.2. The objectives of studying the COURSE:

- formation of sustainable knowledge of the concepts of human development at the global, national and regional levels;
- acquisition of skills and abilities to independently analyze the level of development of human potential and capital; analysis of the levels of human capital development according to the latest approaches to its study;
- to master the trends of socio-economic consequences of the realization of human potential at the macro- and meso-levels; trends of socio-economic development of modern society; trends of

population settlement, urbanization processes in the world, trends and poles of growth, population concentration as a carrier of human capital;

- study of socio-economic processes and phenomena in the modern world that precede, accompany, arise due to and as a result of human development;
- familiarization with the methods of measuring human development adopted in the world and Ukraine;
  - understanding sustainable development and its goals in a global sense.

#### 3. Content of the course "Human Development"

## **CONTENT MODULE 1. Socio-economic dimensions of human development Topic 1. The concept of human development in world economic thought**

Social challenges that lead to the need to study human development. Evolution of scientific approaches to understanding human development. Modern theories of social development. Understanding human development through the concept of the UNDP. Principles of the creation of the UNDP to disseminate ideas and practices of human development throughout the world. The main goals of human and humanitarian development at the current stage of socio-economic development of the world.

#### Topic 2. Trends in socio-economic development of modern society

Civilizational challenges of modern economic development. Economic growth as the basis for the development of human potential and the realization of opportunities. Human development as a strategic goal and criterion of economic growth. The relationship between technological progress (including digitalization) and the transformation of socio-economic relations. The essence and significance of the post-industrial vector of economic development. The impact of the post-industrial economy on human development. Technological progress and the change in social relations. Discussion "beyond GDP" or the possibility of calculating the productivity of new industries and methods of employment associated with the spread of new technologies.

## Topic 3. Urbanism and other forms of population resettlement in the context of human development

Population resettlement as a factor of human development. The role and place of modern population resettlement in the development of human potential. Modern trends in population resettlement: threats, opportunities, problems and challenges associated with modern urbanization processes in the world and Ukraine. Trends in population concentration as a carrier of human capital. Formation of poles of socio-economic growth due to urbanization processes. Civilizational changes associated with the deepening role of cities in the world economy.

## Topic 4. Dialectics of human potential and human capital in the context of human development

Conceptual prerequisites of human development. The concept of human capital and its significance for human development. Fundamental principles and ideas of the theory of human capital, its structure and components. Opportunities for investing in human capital: approaches to assessing risks and benefits, economic feasibility of investment. New approaches to its study and analysis of the level of human capital development. The concept of human potential, its relationship and dialectics with human capital. Development of human potential as a global dimension of human development.

#### **CONTENT MODULE 2. Human development: global and regional aspects**

## Topic 5. Human development of the countries of the world and the methodology for calculating its level

Main approaches to determining human development. Dimensions of the UNDP Human Development Index (its main components, modern features of the HDI calculation methodology and its latest tools). Methodology for calculating the UNDP Human Development Index. Dynamics of the Human Development Index in the countries of the world. Dynamics of traditional and new components of the Human Development Index, their comparison by groups of countries. Classification of countries of the world by the level of human development. Regional comparisons of the Human Development Index at the global level.

#### Topic 6. Regional human development in Ukraine under war conditions

The place of Ukraine in the global Human Development Index, the index of globalization, the development of democracy, economic freedom, perception of corruption, freedom of the press, etc. Features of the national methodology for studying regional human development in Ukraine: indicators, comparison and specifics of calculation. Classification of regions of Ukraine by the level of human potential development. Regional differences and grouping of regions by the regional level of human potential development. Indicators of regional human development as a tool for assessing the effectiveness of the state's socio-economic policy. Social challenges of human development in Ukraine under war conditions. Opportunities and threats of social development under conditions of uncertainty.

#### Topic 7. Social and economic problems in the human development paradigm

Trends of socio-economic consequences of the realization of human potential at the macroand meso-levels. The essence of the concept of employment and the level and quality of life as socio-economic categories in the context of human potential development. Social problems generated by imbalances in economic and social development: poverty, unemployment, property, social differentiation, gender inequality, their consequences. The concept of "decent work" and its meaning. Discrimination in the labor market, problems of shadow employment. Socio-economic determinants of population health as a carrier of human potential. Trends in population education as prerequisites and limitations of human potential development.

#### Topic 8. Sustainable Development Goals as a vector of human development

Sustainability of development as a basis for the progress of human civilization. Conceptual principles of human development growth based on the integration of humanitarian and environmental components - UNDP "Sustainable Development Goals". Opportunities and paths of human development in the concept of "Sustainable Development Goals" of UNDP. Regional differences in access to and achievement of sustainable development goals. UNDP "Sustainable Development Goals" concept in Ukraine and possibilities of its implementation in war conditions. Social vectors in achieving sustainable development goals.

# 4. Structure of the credit for the course "Human Development" 4.1. Full-time study

|   | Number of hours  |               |                   |                        |           |                                   |   |  |
|---|--|---------------|-------------------|------------------------|-----------|-----------------------------------|---|--|
|   |  |               |                   | individua              |           |                                   |   |  |
|   |  | Lec-<br>tions | Practical classes | l<br>student's<br>work | Training  | independen<br>t student's<br>work | Control measures  |  |
|   | Content module 1. Socio-economic dimensions of human developmen                                  |               |                   |                        |           |                                   |   |  |
| 1 | The concept of human development in the world economic thought                                   | 2             | 2                 |                        |           | 9                                 | Tests,<br>questions for<br>discussion,<br>individual<br>tasks |  |
| 2 | Trends of socio-economic development of modern society   | 4             | 4                 |                        | 2         | 10                                | Tests,<br>questions for<br>discussion,<br>individual<br>tasks |  |
| 3 | Urbanism and other forms of population settlement in the context of human development            | 4             | 4                 | 2                      |           | 10                                | Tests,<br>questions for<br>discussion,<br>analytical<br>tasks |  |
| 4 | Dialectics of human potential and human capital in the context of human development              | 4             | 4                 |                        |           | 10                                | Tests,<br>questions for<br>discussion,<br>individual<br>tasks |  |
|   | Content module   | 2. Hum        | an develop        | ment: glob             | al and re | gional aspec                      | ts  |  |
| 5 | Human development of<br>the countries of the world<br>and the method of<br>calculating its level | 4             | 4                 |                        | 2         | 10                                | Tests,<br>questions for<br>discussion,<br>analytical<br>tasks |  |
| 6 | Regional human<br>development in Ukraine<br>under war conditions                                 | 4             | 4                 | 2                      | 2         | 10                                | Tests,<br>questions for<br>discussion,<br>analytical<br>tasks |  |
| 7 | Social and economic problems in the paradigm of human development                                | 4             | 4                 |                        | 2         | 10                                | Cases, tests,<br>analytical<br>tasks                          |  |
| 8 | Sustainable development goals as a vector of human development                                   | 4             | 4                 |                        |           | 9                                 | Tests,<br>questions for<br>discussion,<br>individual<br>tasks |  |
|   | Всього   | 30            | 30                | 4                      | 8         | 78                                |   |  |

### 4. Structure of the credit for the course "Human Development"

4.2. Part-time study

|   |   | Number of hours |                    |                               |  |
|---|---|-----------------|--------------------|-------------------------------|--|
|   |   | Lection<br>s    | Practical classes  | independent<br>student's work |  |
|   | Content module 1. Socio-economic dim  | ensions o       | f human develop    | ment                          |  |
| 1 | The concept of human development in the world economic thought                          | 2               |                    | 16                            |  |
| 2 | Trends of socio-economic development of modern society                                  | 2               |                    | 18                            |  |
| 3 | Urbanism and other forms of population settlement in the context of human development   | 2               | 2                  | 16                            |  |
| 4 | Dialectics of human potential and human capital in the context of human development     |                 |                    | 18                            |  |
|   | Content module 2. Human developme   | nt: globa       | l and regional asp | oects                         |  |
| 5 | Human development of the countries of the world and the method of calculating its level | 2               |                    | 18                            |  |
| 6 | Regional human development in Ukraine under war conditions                              | 2               | 2                  | 18                            |  |
| 7 | Social and economic problems in the paradigm of human development                       | 2               |                    | 16                            |  |
| 8 | Sustainable development goals as a vector of human development                          | <i>L</i>        |                    | 18                            |  |
|   | Всього  | 8               | 4                  | 138                           |  |

#### 5. Topics of practical classes.

## Content module 1. Socio-economic dimensions of human development Practical class 1.

#### Topic 1. The concept of human development in world economic thought

**Objective:** To know the evolution of scientific thought in the field of human development, modern theories of social development, social challenges that lead to the need to study human development.

#### **Ouestions for discussion:**

- 1. Social challenges that lead to the need to study human development.
- 2. Evolution of scientific approaches to understanding human development.
- 3. Modern theories of social development.
- 4. Understanding human development through the concept of the UNDP.
- 5. Principles of the creation of the UNDP to disseminate ideas and practices of human development throughout the world.
- 6. The main goals of human and humanitarian development at the current stage of socioeconomic development of the world.

#### Practical class 2.

#### Topic 2. Trends in socio-economic development of modern society

Goal: To know the civilizational challenges of economic development; to understand the relationship between technological progress (including digitalization) and the transformation of socio-economic relations, the post-industrial vector of economic development.

#### **Ouestions for discussion:**

1. Civilizational challenges of modern economic development.

- 2. Economic growth as the basis for the development of human potential and the realization of opportunities.
  - 3. Human development as a strategic goal and criterion for economic growth.
- 4. The relationship between technological progress (including digitalization) and the transformation of socio-economic relations.

#### Practical class 3.

#### Topic 2. Trends in socio-economic development of modern society

**Objective:** To understand the relationship between human development and the post-industrial vector of economic development, the discussion "beyond GDP".

#### **Questions for discussion:**

- 1. The essence and significance of the post-industrial vector of economic development.
- 2. The impact of the post-industrial economy on human development.
- 3. Technological progress and changing social relations.
- 4. Discussion "beyond GDP" or the possibility of calculating the productivity of new industries and methods of employment associated with the spread of new technologies.

#### Practical class 4.

## Topic 3. Urbanism and other forms of population resettlement in the context of human development

**Objective:** To master modern trends in population resettlement, urbanization processes in the world.

#### **Questions for discussion:**

- 1. Population resettlement as a factor of human development.
- 2. The role and place of modern population settlement in the development of human potential.
  - 3. Features of modern population settlement in the world.
- 4. Modern trends in population settlement: threats, opportunities, problems and challenges associated with modern urbanization processes in the world and Ukraine.

#### Practical class 5.

## Topic 3. Urbanism and other forms of population settlement in the context of human development

**Objective:** To study the trends and "growth poles", population concentration as a carrier of human capital.

#### **Questions for discussion:**

- 1. Trends in population concentration as a carrier of human capital.
- 2. Formation of poles of socio-economic growth due to urbanization processes.
- 3. Civilizational changes associated with the deepening role of cities in the world economy.

#### Practical class 6.

## Topic 4. Dialectics of human potential and human capital in the context of human development

**Objective:** To master the difference and interrelationship of the concepts of "human potential" and "human capital"; to understand the conceptual prerequisites of human development.

#### **Questions for discussion:**

- 1. Conceptual prerequisites of human development.
- 2. The concept of human capital and its significance for human development.
- 3. Fundamental principles and ideas of the theory of human capital, its structure and components.
- 4. Opportunities for investing in human capital: approaches to assessing risks and benefits, economic feasibility of investment.

#### Practical class 7.

## Topic 4. Dialectics of human potential and human capital in the context of human development

**Objective:** To be able to analyze the levels of development of human capital according to the latest approaches to its study.

#### **Discussion questions:**

- 1. New approaches to studying and analyzing the level of human capital development.
- 2. The concept of human potential, its relationship and dialectics with human capital.
- 3. Human potential development as a global dimension of human development.

#### Content module 2. Human development: global and regional aspects

#### Practical class 8.

## Topic 5. Human development of countries of the world and the methodology for calculating its level

**Objective:** To master the main approaches to determining human development, the UNDP Human Development Index.

#### **Discussion questions:**

- 1. Main approaches to determining human development.
- 2. Dimensions of the UNDP Human Development Index (its main components, modern features of the HDI calculation methodology and its latest tools).
  - 3. Methodology for calculating the UNDP Human Development Index.

#### Practical class 9.

## Topic 5. Human development of the world's countries and the methodology for calculating its level

**Goal:** To understand and master the trends in the development of human potential in the countries of the world, regional and group differences in the human development index.

#### **Ouestions for discussion:**

- 1. Dynamics of the Human Development Index in the countries of the world.
- 2. Dynamics of traditional and new components of the human development index, their comparison by group of countries.
  - 3. Classification of the countries of the world by the level of human development.
  - 4. Regional comparisons of the human development index on the global level.

#### Practical class 10.

#### Topic 6. Regional human development in Ukraine under war conditions

**Objective:** To master the national methodology and indicators of regional human development in Ukraine: comparison and features.

#### **Questions for discussion:**

- 1. Ukraine's place in the global human development index, globalization index, development of democracy, economic freedom, perception of corruption, freedom of the press, etc.
- 2. Features of the national methodology for studying regional human development in Ukraine: indicators, comparison and specifics of calculation.
  - 3. Classification of regions of Ukraine by level of human development.

#### Practical class 11.

#### Topic 6. Regional human development in Ukraine under war conditions

**Objective:** To master regional differences, threats and challenges of human development in Ukraine under war conditions.

#### **Ouestions for discussion:**

- 1. Regional differences and grouping of regions by regional level of human development.
- 2. Regional human development indicators as a tool for assessing the effectiveness of the state's socio-economic policy.
  - 3. Social challenges of human development in Ukraine under war conditions.

4. Opportunities and threats of social development under conditions of uncertainty.

#### Practical class 12.

#### Topic 7. Social and economic problems in the human development paradigm

**Objective:** To master and be able to analyze trends in socio-economic consequences of the realization of human potential at the macro and meso levels; the essence of the concepts of employment and unemployment, poverty, level and quality of life, property, social, differentiation, gender inequality, their consequences.

#### Questions for discussion:

- 1. Trends in socio-economic consequences of the realization of human potential at the macro and meso levels.
- 2. The essence of the concept of employment and level and quality of life as socio-economic categories in the context of human potential development.
- 3. Social problems generated by imbalances in economic and social development: poverty, unemployment, property, social differentiation, gender inequality, their consequences.

#### Practical class 13.

#### Topic 7. Social and economic problems in the human development paradigm

**Objective:** To understand the concept of "decent work" and employment problems and their significance, dimensions of health and education in the context of human development.

#### **Questions for discussion:**

- 1. The concept of "decent work" and its significance.
- 2. Discrimination in the labor market, problems of shadow employment.
- 3. Socio-economic determinants of population health as a carrier of human potential.
- 4. Trends in population education as prerequisites and limitations of human potential development.

#### Practical class 14.

#### Topic 8. Sustainable Development Goals as a vector of human development

**Objective:** To master the possibilities and paths of human development in the concept of "Sustainable Development Goals" of the UNDP.

#### **Ouestions for discussion:**

- 1. Sustainability of development as a basis for the progress of human civilization.
- 2. Conceptual principles of human development growth based on the integration of humanitarian and environmental components "Sustainable Development Goals" of the UNDP.
- 3. Opportunities and paths of human development in the concept of "Sustainable Development Goals" of the UNDP.

#### Practical class 15.

#### Topic 8. Sustainable Development Goals as a vector of human development

**Objective**: To analyze regional differences in achieving the Sustainable Development Goals.

#### **Questions for discussion:**

- 1. Regional differences in access to and achievement of the Sustainable Development Goals.
- 2. The concept of "Sustainable Development Goals" of the UNDP in Ukraine and the possibilities of its implementation in wartime.
  - 3. Social vectors in achieving sustainable development goals.

#### 6. Independent student's work

Independent student's work is one of the main ways of acquiring knowledge in the course "Human Development".

Tasks for independent work are performed independently by each student according to the distributed option and methodological recommendations for performing independent work.

Control of independent study of the course "Human Development" occurs by preparing an individual task, which includes 3 tasks: writing a report (essay) according to the topic of independent work (selection according to the student's serial number in the group list) and performing 2 practical tasks of an analytical nature.

Each task is evaluated depending on the completeness of the disclosure of the topic of the task and the content of the answer according to the evaluation criteria. The overall score for independent work is determined by the arithmetic average for the performance of 3 tasks, which are evaluated on a 100-point scale.

#### Topics of independent student's work

- 1. Social orientation of economic growth and development.
- 2. Technological progress and man: interrelation and mutual influence.
- 3. Socio-economic models of understanding man in the economy.
- 4. Economic roles of man in the system of human development.
- 5. Criteria of economic stratification of society in the context of human development.
- 6. The concept of human capital in the system of knowledge.
- 7. Structure and dynamics of income and expenditure of the population of Ukraine.
- 8. National social standards: content, structure, purpose.
- 9. Economics of social coordination. Social partnership.
- 10. Problems of socio-economic development in Ukraine under war conditions.
- 11. Conditions and directions of development of human potential of Ukraine under war conditions.
- 12. Directions of the country's social policy in the context of globalization
- 13. Directions of the country's social policy in the context of war.
- 14. Social problems of humanity and international organizations.
- 15. Main directions of modern social policy in Ukraine.
- 16. Social and socially-oriented enterprises: general and specific.
- 17. Experience in solving social problems in the EU countries.
- 18. Experience in solving social problems in the Scandinavian countries.
- 19. Features of solving social problems in Asian countries.
- 20. Global world economic problems.
- 21. Features of solving social problems in the USA.
- 22. Social partnership in the context of human capital development.
- 23. Economics of social coordination.
- 24. Social component of the state budget in the context of war.
- 25. Income and expenses of the population of Ukraine.
- 26. Poverty as a measure of human development.
- 27. Standard of living: methods of measurement and analysis.
- 28. Methods of overcoming social problems of humanity.
- 29. Global problems of urbanization, opportunities and challenges.
- 30. Global perspectives on human development.

#### Practical tasks for independent student's work

1. Analyze the level of human development of country N (at the student's choice) according to the data of the current UN Human Development Report (according to the HDI and its components). The choice of the country as the object of research is previously agreed with the teacher.

2. Conduct a study of the features of social policy in country N (at the student's choice) to solve human development problems; identify the challenges and advantages of human development in this country; outline the possibilities and ways to overcome the main problems of human development in this country. The choice of the country as the object of research is previously agreed with the teacher.

The sources for performing practical tasks of an analytical nature are the current UN Human Development Report (1. URL: https://hdr.undp.org/system/files/documents/global-report-document/hdr2023-24reporten.pdf), official materials of the World Bank (https://data.worldbank.org/), scientific and analytical publications on social policy, the level of human development, etc.

Independent student's work tasks must be completed in accordance with the requirements, formatted as a separate file according to the above structure and submitted no later than the 12th week of study for review to the head of the course "Human Development".

#### 7. Organization and conduct of the training

The goal of the training in the course "Human Development" is to develop in students practical skills and abilities in analyzing, finding problems and proposing solutions to overcome them regarding the components of human development.

The training allows for practical assimilation of theoretical knowledge obtained in the process of studying the course "Human Development", to develop in students the skills of analyzing large data sets regarding the components of human development.

The procedure for conducting the training:

- 1. The introductory part is carried out in order to familiarize students with the topic of the training session and divide students into subgroups.
- 2. Organizational part: students receive tasks, determine the rules for conducting the training, create a working mood in the team. Handouts in the form of document forms, tables may be available.
- 3. The practical part is carried out by completing tasks in subgroups on the topics of the training topic, identifying problematic issues.
- 4. Summing up. Discussion of the results of the completed tasks, student speeches in each subgroup, exchange of views on the issues raised at the training.

The training tasks are performed by the student in accordance with the recommendations and requirements of the methodological instructions.

The student's overall grade for work during the training is determined as the arithmetic average of the grades received for completing the training tasks.

| Training title      | Tasks   |
|---------------------|---|
| Introductory part   | Presentation of the training topic: "Study of modern challenges of human development in a global dimension. Analysis of the main components of the UNDP Human Development Index (HDI) and analysis of the level of socioeconomic development of different groups of countries based on the proposed criteria"   |
| Organizational part | Study of the handout to familiarize yourself with the content and essence of the analytical tasks   |
| Practical part      | Comparison of the main characteristics of the functioning and challenges to human development at each stage of the socio-economic development of society (based on the results of filling in the table).  Analysis of the Ukrainian experience of transforming the economy and applying the ideas of the social and market mechanism in it, identification of successful and unsuccessful reform steps. Determination of the role of the state and civil society in managing socio-economic processes in Ukraine today under conditions of military operations and occupation of part of the territories.  Analysis of the main components of the UNDP Human Development Index (HDI) and analysis of the level of socio-economic development of various |

|                      | groups of countries based on the materials of the Human Development<br>Report 2023-2024 "Human Development Report 2023-24: Breaking the<br>gridlock: Reimagining cooperation in a polarized world" |
|----------------------|--|
| Summary              | Formation of specific and general conclusions on the analyzed research   |
|                      | topics   |
| Evaluation of the    | Feedback from students on understanding and awareness of the features of   |
| effectiveness of the | human potential development in Ukraine under modern conditions and   |
| training             | global trends in human development, their differences, similarities, etc.  |

#### 8. Evaluation tools and methods of demonstrating learning outcomes

The following assessment tools and methods of demonstrating learning outcomes are used in the process of studying the course "Human Development":

- standardized tests;
- ongoing surveys;
- credit module testing and surveys;
- essays, presentations;
- other types of individual and group work;
- final credit work.

#### **Evaluation policy**

Policy on deadlines and retakes: specific deadlines are set for completing individual tasks and conducting control measures. Retakes of modules are carried out with the permission of the faculty management if there are valid reasons (for example, sick leave).

Policy on academic integrity: the use of printed and electronic sources of information during control measures is prohibited.

Policy on attendance: attendance at classes is a mandatory component of assessment. For objective reasons (for example, quarantine, martial law, illness, foreign internship), training may take place online with the approval of the course leader and permission of the faculty management.

#### 9. Criteria, forms of current and final control

The assessment of the level of theoretical knowledge and practical skills obtained according to the University scale is carried out on the basis of the modular-rating system of knowledge control and involves stimulating systematic, rhythmic independent work of applicants, increasing the objectivity of assessing their knowledge, determining the applicant's rating, introducing healthy competition between applicants in learning and developing their creative abilities. Modular-rating control is carried out on the basis of pre-defined content modules, which are logically completed parts of theoretical and practical educational material at individual stages of studying the COURSE.

According to the scoring scale used in the educational institution, the level of mastery of the material is assessed as follows:

90 - 100 points - 5 (excellent)

75 - 89 points - 4 (good)

60 - 74 points - 3 (satisfactory)

up to 60 points - 2 (unsatisfactory).

For individual forms of control of knowledge of applicants in the COURSE, the assessment criteria presented in the table are applied.

Criteria for assessing candidates' knowledge by forms of control

| Forms of control/assessment   |   |   | ge assessment scale   | -               |
|---|---|---|-----------------------|-----------------|
| criteria  | Excellent                               | Good                                    | Satisfactory          | Unsatisfactory  |
|   | (90-100)                                | (75-89)                                 | (60-74)               | (up to 60)      |
|   |   | ORAL SURVEY                             | (**, *)               | ()              |
| Completeness of the answer  | complete                                | complete                                | incomplete            | partial,        |
| 1   |   | 1                                       | 1                     | absent          |
| Depth and versatility   | sufficient                              | proper                                  | satisfactory          | absent          |
| of knowledge  |   |   |                       |                 |
| Systematicity and logic of the  | systematized,                           | logical                                 | absent                | absent          |
| presentation of the material  | logical                                 |   |                       |                 |
| Degree of familiarity with the  | high,                                   | sufficient,                             | proper,               | absent          |
| main methodological   | reasoned                                | are used in the                         | partially             |                 |
| developments, legislation and   | conclusions                             | answer                                  | used in               |                 |
| the ability to use them when  | are used in the                         |   | the response          |                 |
| answering   | answer                                  |   | 1                     |                 |
| Ability to summarize the  | reasoned                                | insufficiently                          | partially             | absence         |
| presented material  | conclusions                             | substantiated                           | substantiated         | of conclusions  |
| Personal annual |   | conclusions                             | conclusions           |                 |
|   | 2.                                      | TEST TASKS                              |                       |                 |
| Independence of responses   | independence                            | insufficient                            | with the help of the  | absent          |
| macpendence of responses  |   | independence                            | teacher               | independence    |
| Ability to use theoretical  | excellent                               | correct work                            | a significant number  | need to work    |
| material in a modified test   | performance                             | with several                            | of shortcomings, the  | extra for       |
| setting   | with only a                             | errors                                  | performance meets     | receiving a     |
| setting   | few                                     |   | the minimum criteria  |                 |
|   | errors                                  |   |                       | assessment      |
| 3. COM  |   | ODULAR AND                              | TRAINING TASKS        |                 |
| Knowledge of the solution   | deep                                    | proper                                  | insufficient          | absent          |
| method  |   | rr                                      |                       |                 |
| Proficiency in the solution   | possess                                 | possess                                 | partially             | does not        |
| algorithm   | possess                                 | possess                                 | possess               | possess         |
| Independence of the   | independence                            | insufficient                            | calculations with the | lacks           |
| solution  | of                                      | independence                            | help of the teacher   | independence    |
| Solution  | calculations                            | of calculations                         | noip of the teacher   | of calculations |
| Correctness and completeness  | correct and                             | correct and                             | partially             | incorrect       |
| of calculations   | complete                                | incomplete                              | correct,              | incomplete      |
| 01 0010 01001010  | Compress                                | in complete                             | incomplete            | meempreed       |
| Presence of generalized   | available,                              | available                               | available             | absent          |
| conclusions   | substantiated                           |   | U V WIIW IS           |                 |
|   | 500000000000000000000000000000000000000 |   |                       |                 |
| SOLVING I   | PROBLEMS CO                             | MPLETING AN I                           | NDIVIDUAL TASK        |                 |
| Knowledge of the solution   | deep                                    | proper                                  | insufficient          | absent          |
| methodology   | асер                                    | proper                                  | msurretent            | dosciit         |
|   | *************************************** | *************************************** | montiolly.            | does not        |
| Proficiency in the solution   | possess                                 | possess                                 | partially             |                 |
| algorithm   |   |   | possess               | possess         |
| Independence of the   | independence                            | insufficient                            | calculations with the | lacks           |
| solution  | of                                      | independence                            | help of the teacher   | independence    |
|   | calculations                            | of calculations                         |                       | of calculations |
| Correctness and   | correct and                             | correct and                             | partially             | incorrect       |
| completeness of   | complete                                | incomplete                              | correct,              | incomplete      |
| calculations  |   |   | incomplete            |                 |
| Presence of generalized   | available,                              | available                               | available             | absent          |
| conclusions   | substantiated                           |   |                       |                 |
| -   | 4. INDI                                 | EPENDENT WOR                            | RK                    |                 |
| Independence of   | independent                             | independent                             | dependent             | non-            |
| presentation of the material  | presentation                            | presentation                            | presentation          | independent     |
| presentation of the material  | Presentation                            | Prosentation                            | Presentation          |                 |

|                                 |              |             |                       | presentation |
|---------------------------------|--------------|-------------|-----------------------|--------------|
| Logic and consistency of        | logical      | logical     | partially logical     | absent       |
| the presentation of the         | and          | statement,  | presentation,         |              |
| material                        | consistent   | lack of     | sequence              |              |
|                                 |              | consistency | absent                |              |
| Correspondence of the           | corresponds  | corresponds | partially corresponds | does not     |
| presentation of the material to |              |             |                       | correspond   |
| the topic                       |              |             |                       |              |
| Use of new literary sources     | are          | partially   | not used              | not used     |
|                                 | used         | used        |                       |              |
|                                 | sufficiently |             |                       |              |
| Compliance of the design of     | corresponds  | corresponds | partially corresponds | does not     |
| the work with the               |              |             |                       | correspond   |
| requirements                    |              |             |                       |              |

The final score (on a 100-point scale) of the academic course "Human Development" is determined as a weighted average, depending on the specific weight of each component of the credit:

#### for credit:

| Modu           | ıle 1       | Modu           | ıle 2       | Module 3       | Module 4              |
|----------------|-------------|----------------|-------------|----------------|-----------------------|
| 20 %           | 20%         | 20 %           | 20%         | 5 %            | 15%                   |
| Current        | Modular     | Current        | Modular     | Training       | Independent work      |
| assessment:    | test work   | assessment:    | test – max. | Score          | Determined as the     |
| It is          | is carried  | It is          | 100 points: | Determined as  | arithmetic average of |
| determined     | out on 1-4  | determined     | theoretical | the arithmetic | the grades obtained   |
| as the         | topics and  | as the         | task 1-     | average of the | for completing 3      |
| arithmetic     | includes:   | arithmetic     | max. 30     | scores         | tasks. Grading on a   |
| average of     | theoretical | average of     | points;     | obtained for   | 100-point scale.      |
| the grades     | task 1 -    | the grades     | theoretical | completing 3   |                       |
| received       | max. 30     | received       | task 2-     | tasks. The     |                       |
| during         | points;     | during         | max. 30     | assessment is  |                       |
| classes. The   | theoretical | classes. The   | points;     | carried out on |                       |
| survey is      | task 2 -    | survey is      | analytical  | a 100-point    |                       |
| conducted      | max. 30     | conducted      | task –      | scale          |                       |
| on topics 1-   | points;     | on topics 5-   | max. 40     |                |                       |
| 4. The         | analytical  | 8.             | points      |                |                       |
| assessment     | task - max. | The            |             |                |                       |
| is carried out | 40 points   | assessment     |             |                |                       |
| on a 100-      |             | is carried out |             |                |                       |
| point scale    |             | on a 100-      |             |                |                       |
| (the           |             | point scale    |             |                |                       |
| applicant      |             | (the           |             |                |                       |
| must be        |             | applicant      |             |                |                       |
| assessed at    |             | must be        |             |                |                       |
| least once     |             | assessed at    |             |                |                       |
| every two      |             | least once     |             |                |                       |
| classes)       |             | every two      |             |                |                       |
|                |             | classes).      |             |                |                       |

#### **Evaluation scale:**

| After a scale an university | On a national scale | After a scale ECTS   |
|-----------------------------|---------------------|--|
| 90-100                      | Excellent           | A (excellent)  |
| 85-89                       | Well                | B (very well)  |
| 75-84                       |                     | C (well)   |
| 65-74                       | Satisfactorily      | <b>D</b> (satisfactorily)                                      |
| 60-64                       |                     | E (sufficiently)   |
| 35-59                       | Unsatisfactorily    | FX (unsatisfactorily with possibility of the repeated          |
|                             |                     | drafting)  |
| 1-34                        |                     | <b>F</b> (unsatisfactorily with the mandatory repeated course) |

10. Tools, equipment and software, the use of which is required by the academic COURSE

| No | Name   | Topic number |
|----|--|--------------|
| 1. | Technical equipment: multimedia projector, laptop, projection    | 1-8          |
| 1. | screen.  |              |
| 2. | Presentation materials package                                   | 1-8          |
|    | Basic software: Windows OS.                                      | 1-8          |
|    | Standard software for basic information technologies: MS Office  |              |
| 3. | (Word, Excel, PowerPoint).                                       |              |
|    | Telecommunications software (Internet Explorer, Google Chrome,   |              |
|    | Viber, etc.).  |              |
| 4. | Communication learning platform (Moodle) for organizing distance | 1-8          |
| 4. | learning (if necessary).   |              |
| 5  | Communication software Zoom for conducting classes online (if    | 1-8          |
| 5. | necessary).  |              |

#### RECOMMENDED SOURCES OF INFORMATION

1. Бідність та нерівність в Україні під впливом COVID-19: підходи до оцінювання / Лібанова Е.М., Черенько Л.М., Полякова С.В., Шишкін В.С., Реут А.Г., Когатько Ю.Л., Заяць В.С., Клименко Ю.А., Черніченко В.В., Васильєв О.А., Крикун О.І.; Нац. акад. наук. Укр., Інт демогр. та соц. дослідж. ім. М.В. Птухи. Електронне видання. Київ, 2023. Об'єм даних 3,1 МБ. URL: https://idss.org.ua/arhiv/%D0%9D%D0%BE%D0%B2%D0%B8%D0%B9\_%D0%A4%D1%96%D0%BD%D0%B0%D0%BB\_%D0%90%D0%BD%D0%BB

D1%96%D0%B7%20%D1%81%D0%B8%D1%82%D1%83%D0%B0%D1%86%D1%96%D1%97%20%D0%B7%20%D0%B1%D1%96%D0%B4%D0%BD%D1%96%D1%81%D1%82%D1%8E%20%D0%B2%20%D0%A3%D0%BA%D1%80%D0%B0%D1%97%D0%BD

- %D1%96%20%D0%BD%D0%B0%20%D0%B4%D0%BE
- %D0%B2%D0%B3%D0%B8%D1%85%20%D1%80%D1%8F
- %D0%B4%D0%B0%D1%85%20%D0%B4%D0%B0%D0%BD
- %D0%B8%D1%85%20%D1%82%D0%B0%20%D0%BF
- %D0%B5%D1%80%D1%88%D1%96%20%D0%BD%D0%B0%D1%81%D0%BB
- %D1%96%D0%B4%D0%BA%D0%B8%20COVID-19.pdf
- 2. Біль М. М., Попадинець Н. М. Людський розвиток і мобільність населення крізь призму національних особливостей: соціоекономічний вимір та управлінський концепт. *Соціально-економічні проблеми сучасного періоду України*. 2020. Вип. 2. С. 55-61. URL: <a href="http://nbuv.gov.ua/UJRN/sepspu\_2020\_2\_10">http://nbuv.gov.ua/UJRN/sepspu\_2020\_2\_10</a>
- 3. Бобух І. М. Людський капітал та інклюзивний розвиток економіки України: освітньонаукові чинники. *Вісник Національної академії наук України*. 2019. № 5. С. 58-61. URL: http://nbuv.gov.ua/UJRN/vnanu 2019 5 17

- 4. Герасименко Г. Гендерна рівність та відповідь на домашнє насильство в приватному секторі: заклик до дії. URL: <a href="https://idss.org.ua/arhiv/%D0%93%D0%95%D0%9D%D0%9D%D0%94%D0%95%D0%A0%D0%86%D0%92%D0%9D%D0%86%D0%A1%D0%A2%D0%AC%D0%A0%D0%86%D0%94%D0%9E%D0%9E%D0%92%D0%86%D0%94%D0%9E%D0%9E%D0%9E%D0%9C%D0%90%D0%A8%D0%9D%D0%A2%D0%9D%D0%9D%D0%90%D0%A1%D0%98%D0%9E%D0%9E%D0%9D%D0%AC%D0%A1%D0%A2%D0%9E%D0%9E,pdf</a>
- 5. Державне інвестування в соціальний розвиток (інфраструктурний аспект)/ Новіков В. М., Макарова О. В., Откидач М. В. / тех. ред. Герасименко І. В.: Нац. акад. наук. Укр., Інт демогр. та соц. дослідж. ім. М.В. Птухи. Електронне видання. Київ, 2020. URL: <a href="https://idss.org.ua/arhiv/%D0%94%D0%95%D0%A0%D0%96%D0%90%D0%92%D0%9D">https://idss.org.ua/arhiv/%D0%94%D0%95%D0%A0%D0%96%D0%90%D0%92%D0%9D%D0%9D%D0%95%20%D0%86%D0%9D</a>
- %D0%92%D0%95%D0%A1%D0%A2%D0%A3%D0%92%D0%90%D0%9D%D0%9D %D0%AF.pdf
- 6. Дитяча бідність: вплив війни на стан домогосподарств з дітьми : монографія / Л. Черенько, В. Саріогло, Н. Сітнікова. URL: <a href="https://idss.org.ua/arhiv/Ukraine%20Child%20Poverty%20Report%202023%20ukr.pdf">https://idss.org.ua/arhiv/Ukraine%20Child%20Poverty%20Report%202023%20ukr.pdf</a>
- 7. Кобеля З. І., Мельник Я. В. Моделювання впливу економічних та демографічних факторів на людський розвиток. *Економіка та держава*. 2020. № 7. С. 145-149. URL: <a href="http://nbuv.gov.ua/UJRN/ecde">http://nbuv.gov.ua/UJRN/ecde</a> 2020 7 25
- 8. Лібанова Е. М. Бідність населення України: методологія, методика та практика аналізу; Нац. академія наук України, Ін-т демографії та соц. Досліджень ім. М. В. Птухи. Умань : Видавець «Сочінський М.М.», 2020. 456 с. URL: https://idss.org.ua/arhiv/%D0%91%D1%96%D0%B4%D0%BD
- %D1%96%D1%81%D1%82%D1%8C%20%D0%BD%D0%B0%D1%81%D0%B5%D0%BB %D0%B5%D0%BD%D0%BD%D1%8F%20%D0%A3%D0%BA
- %D1%80%D0%B0%D1%97%D0%BD%D0%B8%20%D0%BC%D0%B5%D1%82%D0%BE
- %D0%B4%D0%BE%D0%BB%D0%BE%D0%B3%D1%96%D1%8F,%20%D0%BC
- %D0%B5%D1%82%D0%BE%D0%B4%D0%B8%D0%BA
- %D0%B0%20%D1%82%D0%B0%20%D0%BF%D1%80%D0%B0%D0%BA
- %D1%82%D0%B8%D0%BA%D0%B0%20%D0%B0%D0%BD%D0%B0%D0%BB %D1%96%D0%B7%D1%83.pdf
- 9. Людський розвиток в Україні. Оцінка та прогноз рівня життя населення: кол. моногр. / за ред. Е. М. Лібанової; НАН України, Ін-т демографії та соціальних досліджень імені М. В. Птухи. Київ, 2019. 270 с. URL: <a href="https://idss.org.ua/arhiv/monografia">https://idss.org.ua/arhiv/monografia</a> 2019.pdf
- 10. Людський розвиток в Україні. Пріоритети національної політики мінімізації асиметрії українського ринку праці / кер. авт. кол. О. І. Цимбал; Ін-т демографії та соціальних досліджень ім. М. В. Птухи НАН України. Київ : Академперіодика, 2021. 210 с. URL: <a href="https://idss.org.ua/arhiv/Block Libanova Ludskij rozvytok web.pdf">https://idss.org.ua/arhiv/Block Libanova Ludskij rozvytok web.pdf</a>
- 11. Людський розвиток в Україні: пріоритети розвитку сільських поселень у контексті децентралізації управління / за ред. Е.М. Лібанової; відп. за вип. О.В. Макарова, Т.А. Заяць ; Ін-т демографії та соціальних досліджень ім. М.В. Птухи НАН України. Київ : Академперіодика, 2020. 354 c.URL: https://idss.org.ua/arhiv/LRozv.pdf
- 12. Махсма М. Б. Людський розвиток сільського населення України: регіональний розріз. *Бізнес Інформ.* 2020. № 6. С. 100-108. URL: <a href="http://nbuv.gov.ua/UJRN/binf">http://nbuv.gov.ua/UJRN/binf</a> 2020 6 14
- 13. Мецгер Н., Шенай В.Економічне зростання і людський розвиток у країнах ОЕСР: двадцятирічне дослідження даних 2000–2019 рр. *Журнал європейської економіки*. 2021. Т. 20, № 4. С. 617-663. URL: <a href="http://nbuv.gov.ua/UJRN/jee">http://nbuv.gov.ua/UJRN/jee</a> 2021 20 4 4
- 14. Міщук Г. Ю., Семчук Д. О. Вплив пандемії Covid-19 на економічне зростання, людський розвиток та поведінкові детермінанти. Вісник Національного університету водного господарства та природокористування. Економічні науки. 2020. Вип. 4. С. 207-218. URL: <a href="http://nbuv.gov.ua/UJRN/Vnuvgp ekon 2020 4 22">http://nbuv.gov.ua/UJRN/Vnuvgp ekon 2020 4 22</a>
- 15. Назарова Г. В., Демченко К. О. Соціальна безпека vs людський розвиток: конфлікт або

- взаємозалежність. *Бізнес Інформ.* 2021. № 5. С. 6-15. URL: <a href="http://nbuv.gov.ua/UJRN/binf">http://nbuv.gov.ua/UJRN/binf</a> 2021 5 2
- 16. Подра О. П. Інноваційний розвиток та людський капітал України: тенденції, проблеми та перспективи. *Management and entrepreneurship in Ukraine: the stages of formation and problems of development*. 2020. Vol. 2, numb. 2. C. 133-144. URL: <a href="http://nbuv.gov.ua/UJRN/meu">http://nbuv.gov.ua/UJRN/meu</a> 2020 2 2 17
- 17. Семів Л. К. Людський розвиток в інформаційній економіці: виклики соціальній політиці. *Соціально-економічні проблеми сучасного періоду України*. 2020. Вип. 5. С. 13-19. URL: <a href="http://nbuv.gov.ua/UJRN/sepspu">http://nbuv.gov.ua/UJRN/sepspu</a> 2020 5 5
- 18. Соціальне відторгнення, нерівність та бідність дітей / Черенько Л.М., Полякова С.В., Шишкін В.С., Реут А.Г., Васильєв О.А., Когатько Ю.Л., Заяць В.С., Клименко Ю.А..; Нац. акад. наук. Укр., Ін-т демогр. та соц. дослідж. ім. М.В. Птухи. Електронне видання. Київ, 2021. Об'єм даних 2,54 Мб. URL: <a href="https://idss.org.ua/arhiv/%D0%9C%D0%BE%D0%BD%D0%BE%D0%BB%D0%BB%D0%BB%D0%B8%D0%B0%D1%84%D1%96%D1%8F">https://idss.org.ua/arhiv/%D0%9C%D0%BE%D0%BD%D0%BE%D0%BD%D0%BE%D0%BD%D0%B6%D0%A2%D0%A2%D0%A2%D0%A2%D0%A2%D0%A2%D0%A2%D0%A2%D0%A2%D0%A2%D0%A2%D0%A2%D0%A2%D0%A2%D0%B0%D0%B0%D0%B0%D0%B0%D0%A2%D0%A2%D0%A2%D0%A2%D0%B0%D0%
- 19. Тимошенко Л. М., Сардак С. Е., Більська О. В. Людський розвиток : навч. посіб. Дніпропетровськ: Вид-во ДНУ, 2010. 107 с. URL: <a href="https://philarchive.org/archive/SAR-128">https://philarchive.org/archive/SAR-128</a>
- 20. Черенько Л. М. Модель рівня життя в умовах соціально-економічної нестабільності : монографія Київ : Інститут демографії та соціальних досліджень імені М. В. Птухи НАН України, 2021. 423 с. URL: <a href="https://idss.org.ua/arhiv/Model.pdf">https://idss.org.ua/arhiv/Model.pdf</a>
- 21. Якість життя населення України та перші наслідки війни / Черенько Л. М., Полякова С. В., Шишкін В. С., Реут А. Г., Крикун О. І., Когатько Ю. Л., Заяць В. С., Клименко Ю. А.; Нац. акад. наук. Укр., Ін-т демогр.та соц. дослідж. ім. М. В. Птухи. Електронне видання. Київ, 2023. Об'єм даних 4,42 МБ. URL: <a href="https://idss.org.ua/arhiv/%D0%9C%D0%BE%D0%BD%D0%BE%D0%BD%D0%BS%D0%B3%D1%80%D0%B0%D1%84%D1%96%D1%8F\_%D0%BA">https://idss.org.ua/arhiv/%D0%9C%D0%BE%D0%BD%D0%BD%D0%BC%D0%BA</a> %D1%96%D1%81%D1%82%D1%8C.pdf
- 22. Ferrannini A., Barbieri E., Biggeri M., and Di Tommaso M.R. Industrial policy for sustainable human development in the post-Covid19 era. *World Dev.* 2021. URL: https://pmc.ncbi.nlm.nih.gov/articles/PMC7513692/pdf/main.pdf
- 23. Human development report 2021-2022. Uncertain times, unsettled lives Shaping our future in a transforming world *United Nations*. New York. 2022. URL: <a href="https://hdr.undp.org/system/files/documents/global-report-document/hdr2021-22reportenglish">https://hdr.undp.org/system/files/documents/global-report-document/hdr2021-22reportenglish 0.pdf</a>
- 24. Human Development Report 2023-24: Breaking the gridlock: Reimagining cooperation in a polarized world. *United Nations*. New York. 2024. URL: <a href="https://hdr.undp.org/system/files/documents/global-report-document/hdr2023-24reporten.pdf">https://hdr.undp.org/system/files/documents/global-report-document/hdr2023-24reporten.pdf</a>
- 25. Ibe J. Economic and Human Development: Binding Constraints in Emerging Economies. 2024. URL:
- https://www.researchgate.net/publication/378861411\_Economic\_and\_Human\_Development\_Binding\_Constraints\_in\_Emerging\_Economies
- 26. Libanova E., Osaulenko O. & Cherenko L. Assessment of Quality of Life in Ukraine on the Basis of Subjective Indicators of Well-being: monograph = Оцінка якості життя в Україні на основі суб'єктивних показників добробуту: монографія. Warsaw. RS Global Sp. z O.O., 2020. 361 р. URL: <a href="https://idss.org.ua/arhiv/%D0%9C%D0%BE%D0%BD%D0%BE">https://idss.org.ua/arhiv/%D0%9C%D0%BE%D0%BD%D0%BE</a>
- %D0%B3%D1%80%D0%B0%D1%84%D1%96%D1%8F%20%D0%9E
- %D1%86%D1%96%D0%BD%D0%BA%D0%B0%20%D1%8F%D0%BA%D0%BE
- %D1%81%D1%82%D1%96%20%D0%B6%D0%B8%D1%82%D1%82%D1%8F.pdf
- 27. Lisi G. Sustainable development and human capital. *International Journal of Sustainable Development*. 2024. 27. 216-230. DOI: 10.1504/IJSD.2024.136606. URL: <a href="https://www.researchgate.net/publication/340299608\_Sustainable\_Economic\_Development\_and\_Human Capital">https://www.researchgate.net/publication/340299608\_Sustainable\_Economic\_Development\_and\_Human Capital</a>.
- 28. Mbiankeu N. St. Improving human development through urbanization, demographic dividend and biomass energy consumption. *Sustainable Development*. 2023.1-19. DOI:

10.1002/sd.2528. URL:

https://www.researchgate.net/publication/369014557\_Improving\_human\_development\_through\_urbanization demographic dividend and biomass energy consumption

- 29. Onyebuchi-Igbokwe G., Peters E., Adibe Nn., Chibuzo.. Higher Education and Human Capital Development: Nexus with Nation Building. 2024. 10. 92-102. URL: <a href="https://www.researchgate.net/publication/379262017\_Higher\_Education\_and\_Human\_Capital\_Development">https://www.researchgate.net/publication/379262017\_Higher\_Education\_and\_Human\_Capital\_Development Nexus with Nation Building</a>
- 30. Patil D. Impact of artificial intelligence on employment and workforce development: Risks, opportunities, and socioeconomic implications. 2024. URL: <a href="https://www.researchgate.net/publication/385629231\_Impact\_of\_artificial\_intelligence\_on\_employment\_and\_workforce\_development\_Risks\_opportunities\_and\_socioeconomic\_implications">https://www.researchgate.net/publication/385629231\_Impact\_of\_artificial\_intelligence\_on\_employment\_and\_workforce\_development\_Risks\_opportunities\_and\_socioeconomic\_implications</a>
- 31. Riana A., Khafid M. Analysis of Government Spending on Education on the HDI. *JEJAK*. 2022. 15. 324-335. DOI: 10.15294/jejak.v15i2.38263. URL: <a href="https://www.researchgate.net/publication/367979920\_Analysis\_of\_Government\_Spending\_on\_Education\_on\_the\_HDI">https://www.researchgate.net/publication/367979920\_Analysis\_of\_Government\_Spending\_on\_Education\_on\_the\_HDI</a>
- 32. Thamma-Apiroam R. Human Capital and the Level of Economic Development. *Asian Social Science*. 2024. 14. 31-31. 10.5539/ass.v14n2p31. URL: <a href="https://www.researchgate.net/publication/323341241\_Human\_Capital\_and\_the\_Level\_of\_Economic\_Development">https://www.researchgate.net/publication/323341241\_Human\_Capital\_and\_the\_Level\_of\_Economic\_Development</a>