

MINISTRY OF HIGHER EDUCATION, SCIENCE, AND INNOVATIONS OF  
THE REPUBLIC OF UZBEKISTAN

TASHKENT STATE UNIVERSITY OF ECONOMICS



ECONOMIC STATISTICS

SYLLABUS OF THE SUBJECT

Field of knowledge:	400000 - Business, management and law
Specialties:	410000 - Business and management
Directions of education	60410800 - Statistics (by industry and branch)

Tashkent– 2024.

This syllabus has been approved by the Council of Tashkent State University of Economics in its resolution dated "24" 06 11/1 2024.

Approved by the order of Tashkent State University of Economics Rector No. \_\_\_\_

This syllabus has been approved by the resolution of the meeting number 21 of the Department of Economic Statistics at Tashkent State University of Economics, dated "24" 06 2024.

Head of Economic Statistics department



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## SUBJECT INFORMATION

Scientific code: ECOSTA1305

Subject Name: Economic statistics

Semester/Year: 3-semester/ 2024-2025 academic year

Department: Economic statistics

Number of hours/credits 5 ECTS

Lecture	Workshops	Laboratory studies	Independent education	Total
30	30	0	90	150

### Location of classes:

Audience and time: According to the class schedule

**Prerequisites:** In order to successfully master this subject, students should have sufficient knowledge of “Economic theory”, “Statistical theory”, and systems sciences.

**Department responsible for the subject:** Economic statistics

## INFORMATION ABOUT THE TEACHER

Teachers: Lectures: Sattoriy Fayzulloh

Practical trainings: Yuldashev Eldor

**Address:** TSUE, 3rd academic building, room 403

Tel. (office): 71-239-28-06

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**Organization of additional classes:** students can schedule a meeting with the instructor outside of class by emailing the instructor.

### I. Subject Description

Studying this subject equips students with a comprehensive set of skills, both theoretical and practical, for the quantitative and qualitative analysis of economic events and processes. Students will develop a deep understanding of market economy fundamentals, vital for navigating and contributing to the market relations evolving within our country. They will gain essential insights into the causal relationships between market events and processes, and learn to apply statistical methods to explore the laws governing their development. Additionally, the course emphasizes a methodological approach to economic phenomena, fostering the formation of a scientific perspective.

Economic statistics provides students with the skills necessary to calculate and forecast key economic indicators such as the GDP deflator and inflation levels. It delves into the main categories and concepts used in international statistics, focusing on the analysis required for understanding the modernization of the economy. The course covers methods for statistically studying labor resources and analyzing economic events and processes. Furthermore, it highlights the importance and application of investments, underlining their role in shaping economic events and processes.

## **II. Subject Objectives**

- general foundations, stages, causes and consequences of social and economic development; explain the characteristics of the modern market economy;
- economic fundamentals; laws of operation and development of the national economy; to give insights on macroeconomic level situations; -provide in-depth theoretical and practical recommendations to students on quantitative and qualitative assessment of economic events and processes;
- formation of skills for calculation of working time and labor productivity indicators;
- statistical study of salary dynamics;
- helping to develop the skills of calculating the GDP deflator;
- to introduce students to the definition of MHT and its calculations, classification and structure, determination of production, transaction costs and levels, methods of determining the products of economic sectors and their weight in GDP.

## **III. Learning Outcomes**

By successfully mastering this subject, students will acquire the following skills:

1. 1. Learns the general foundations and stages of socio-economic development, the causes and consequences of their changes, as well as the characteristics of the modern market economy.
2. Basics of economy; laws of operation and development of the national economy; understands macroeconomic level situations.
3. Students develop deep theoretical and practical skills for quantitative and qualitative assessment of economic events and processes.
4. The skills of calculating working time and labor productivity indicators are developed.
5. Statistically studies salary dynamics;
6. Learns the general and professional skills of calculating the GDP deflator, determining MHT, its calculations, classification and structure, determining production, transaction costs and levels, determining the products of economic sectors and their weight in GDP.

## **IV. Teaching methods**

- performing practical work based on a real situation;
- writing essays, theses and articles;
- solving situational tasks (case studies);
- process-oriented education;
- participation in discussions;
- work in small groups;
- execution of design work;
- performing independent work;
- preparing a presentation;
- solving tests of different levels;
- conducting a survey;

- problem solving.

## V. Structure of the subject:

T/r	Topics	Plan of lecture, practical and seminar training	Hours		
			Lectures	Seminar classes	Self-study.
1	The subject, methods and main tasks of the subject "Economic Statistics".	1. Understanding of statistics 2. The subject of statistics and its characteristics 3. Basic elements and categories of statistics 4. Tasks of statistics in the context of economic development and liberalization	2	2	6
2	System of groupings and classifications, indicators used in economic statistics during the period of market economy.	1. Understanding of institutional unit, economic area, resident, sector, industry, institution, rest of the world, stock and flow, economic operation. 2. National accounts system and its main groups and classifications: economic sectors, economic sectors, grouping of goods and services, economic operations. 3. Classification of types of economic activity by forms of property, administrative and economic territory and departmental management. 4. The circular circulation of national products and incomes is the basis of the system of macroeconomic indicators. Indicator system of economic statistics. 5. Reflecting the system of economic statistical indicators in the system of national accounts.	2	2	8
3	System of national accounts is the main method, basis and central department of economic statistics	1. Understanding of the system of national accounts. 2. A system of interrelated indicators representing the level and dynamics of economic development. 3. Classification of calculations of the National Accounts System and principles of their compilation. 4. Indicators of production calculation and its methodology.	4	4	8
4	Population statistics	1. Statistical study of the number and composition of the population. 2. To study the population by gender, nationality, marital status, educational level and other characteristics. 3. Statistics of natural and mechanical movement of the population.	2	2	6

		4. Types of population migration. Absolute and relative indicators of population migration. 5. Indicators of marriage and divorce.			
5	Labor market statistics.	1. Concept of economically active population. Its number and composition. Employment and unemployment statistics. 2. The concept of economically inactive population. its size and composition. labor resources statistics. 3. Methods for calculating the number of labor resources. labor resources balance. its scheme and indicator system, key directions for its analysis. 4. Statistical study of the distribution of people employed in the economy according to the sphere of activity, the form of property, the form of economic management and the regions of the country. 5. Distribution of employees of enterprises and organizations according to their main and non-main activities.	2	2	8
6	Statistics of national wealth.	1. Concept of national wealth and national property, and the tasks of statistics in this area. 2. The concept and composition of economic assets in the system of national accounts. 3. statistical study of mineral resources, water, and hydropower resources. 4. Calculating national wealth elements at current and constant prices and studying their dynamics.	4	4	9
7	System of indicators expressing the results of economic activities in the system of national accounts.	1. The concept of production activity in the system of national accounts. 2. Economic production boundaries in the system of national accounts. 3. Production of goods and services, intermediate consumption, and value added concepts.	2	2	8
8	Statistics of the Goods and Services Market.	1. Concept of goods circulation. 2. Indicators of goods inventory. 3. Indicators of raw material reserves. 4. Concept of cargo turnover.	2	2	8
8	Finance, valuation, and definitions statistics.	1. Indicator system of financial statistics. 2. Key Indicators of State Finance Statistics. 3. Key indicators of financial statistics for commercial and budgetary organizations. 4. Indicator system of price and tariff statistics. 5. Statistical study of price and tariff dynamics.	4	4	9

		6. Statistical monitoring of consumer prices. 7. Ishlab chiqarish sohasida baho va tariflar holatini statistik kuzatish.			
9	Statistics of foreign economic relations and balance of payments	1. Definition of export and import. 2. General and special system of calculation of export and import. 3. Methods of statistical study of foreign economic activity. 4. Basic principles of the balance of payments system. International investment policy, indicators representing the investment environment. 5. Connection between the system of national accounts and the balance of payments	2	2	8
10	National income and other income indicators in the system of national accounts.	1. Dj Xins's doctrine of income. Clarifications added to Dj Xins's doctrine in the new SNA.. 2. Nominal and real income. Extensive and intensive factors affecting income. 3. National income distribution, redistribution, and final use statistics. 4. Gross national income, net national available income, gross national saving, and net national saving indicators statistics.	2	2	6
11	Population standard of living statistics.	1. A system of socio-economic indicators representing the standard of living of the population. 2. Statistical monitoring of the household budget. 3. Purchasing power of population, minimum standard of living and poverty line. 4. General indicators representing the standard of living of the population. 5. Indicators of social infrastructure statistics.	2	2	6
		<b>Total hours</b>	<b>30</b>	<b>30</b>	<b>90</b>

## VI. Independent study and independent work.

Recommended topics for independent study:

1. Statistical study of learning English in Uzbekistan.
2. Statistical study of the number, composition, and efficiency of the company's fixed assets.
3. Statistical analysis of innovative directions of organizational activity in industrial sectors.
4. Ensuring the macroeconomic security of the Republic of Uzbekistan during the years of independence

5. System of National Accounts – the main method of macroeconomic statistics, main and central divisions.
6. Statistical study of the use of labor resources in Tashkent city.
7. Statistical study of engaging in production under conditions of economic modernization.
8. Assistants for using working time savings
9. National systems framework and its main groups and classifications: business sectors, production branches, and goods and services development groups
10. Statistical establishment of wages in production enterprises.
11. Main and relative indicators of hiring and termination.
12. Studying the dynamics of average wages: statistical evaluation of the relationship between labor productivity and wages.
13. Composition of transaction costs and their statistical establishment in the process of launching, updating, and modernizing the country.
14. Production costs, period costs, personal expenses, and profit and losses (using examples from light industry enterprises).
15. Provision of fixed assets under conditions of economic modernization.
16. Formation of the labor market and its regulatory statistical assessment.
17. Statistical establishment of advanced technologies in production under conditions of economic modernization.
18. Reflection of the economic statistics support system in the national systems framework.
19. A system that provides interrelated indicators characterizing the level and dynamics of economic development.
20. Statistical study of number and composition of population.
21. Study of the population by gender, nationality, marital status, educational level, and other factors.
22. Statistical indicators of natural and mechanical management of education under the conditions of the global economic crisis.
23. Absolute and relative indicators supporting the natural population change: birth rate, death rate, and natural increase.
24. Methods of calculating life expectancy.
25. Methods of reporting labor resources.
26. Concept of labor productivity and its statistical study.
27. Concept of national wealth and national property and the tasks of statistics in this area.
28. Concept of fixed assets (fixed resources, fixed capital) and the tasks of statistics.
29. Statistics of national income distribution, redistribution, and final use.



30. General indicators of the population's standard of living: per capita gross domestic product, cost of living index, average life expectancy, and human development index.

It is recommended that students write essays, theses, or research papers, prepare project work, reports, and presentations, and deliver them on independently mastered topics.

## **VII. Literature**

### **Main literature**

1. Douglas S. Shafer, Zhiyi Zhang. Beginning Statistics. Textbook. 2021 year. 716 pp. (This book is available in PDF format from the university's IRC.)

### **Additional literature**

1. Y. Abdullaev, E.Ergashev and others. Statistics. Textbook. 2021 year. 271 pp. (This book is available in PDF format from the university's IRC.)
2. Ulitina E.V. and other trade statistics. Tutorial. - M.: Market DS, 2019. - 312 pages (This book is available in PDF format at the university's IRC).
3. Trade statistics. Workshop. Tutorial. / Ed. V.N. Salina. - M.: KNORUS, 2018. - 496 pages (This book is available in PDF format at the university's IRC).
4. I. Yeliseeva. Statistics. Textbook. 2012 year. 559 pp. (This book is available in PDF format from the university's IRC.)
5. Kh. Shodiyev and I. Xabibullayev. Statistics. Textbook. 2021 year. (This book is available in PDF format from the university's IRC.)
6. I.Kh. Khabibullaev, X.A. Shodiev, B.Q. Utanov. Practicum on statistics: study guide. 2022 year. 312 pp. (This book is available in PDF format from the university's IRC.)
7. Newbold, Paul. Statistics for business and economics / Paul Newbold, William L. Carlson, Betty M. Thorne.—8th ed.
8. 3. McClave, James T. Statistics / James T. McClave, Terry Sincich. 2021 year. 12th ed.

### **Sources of information**

1. [www.gov.uz](http://www.gov.uz)- The Government portal of the Republic of Uzbekistan
2. [www.lex.uz](http://www.lex.uz)– National database on legal documents of the Republic of Uzbekistan.
3. [www.president.uz](http://www.president.uz) - Official website of the President of the Republic of Uzbekistan
4. [www.stat.uz](http://www.stat.uz)– Official site of the Statistics Agency under the President of the Republic of Uzbekistan.
5. [www.imv.uz](http://www.imv.uz) – Official website of Ministry of Economy and finance of the Republic of Uzbekistan.

## VIII. Assessment of student knowledge

Assessment of students' knowledge on this subject (module) is based on the performance of educational materials (tests and written assignments) during the semester.

During the lessons, students are evaluated on a 100-point system.

Of these, 30 points are given for student participation in classes, independent study and assignments, 20 points for midterm exam, and 50 points for final exam. The final exam is carried out in written form.

Current, intermediate and control tasks are divided as follows:

STUDENTS' KNOWLEDGE ASSESSMENT PROCEDURE			
Types of rating evaluation	Max. score	Tasks to be completed	Assignments due date
<b>current control, therefore</b>	<b>20</b>	According to the schedule of the educational process	
- Activity in practical training	<b>10</b>	depending on the nature of the subject, oral inquiry, test, interview, control work, colloquium, case study, casus or fable situation assignments, project, coursework, homework in seminars, laboratories and practical training	According to the audience time in the science lesson schedule
Independent education, therefore	<b>10</b>	independent work of students is organized in two directions - in the auditorium and outside the auditorium	
1st independent work	5	Writing an essay or thesis on one of the subjects of independent education (must not be less than 1000-1200 words)	Until the last week of classes according to the curriculum schedule
2nd independent work	5	preparation and defense of project work on one of the topics of independent study	Until the last week of classes according to the curriculum schedule
<b>Midterm control</b>	<b>30</b>	written form of an exam	In accordance with the schedule of the educational process, mid-term control is organized during the week through the HEMIS information system or directly in the educational auditorium.
<b>Final control</b>	<b>50</b>	written form of an exam	During the final control weeks according to the study schedule
<b>Total</b>	<b>100</b>		

The total score of the student in the subject during the semester is calculated by the following formula according to the rules of each control type:

$$TS = CA + ME + FE$$

bu yerda: CA – participation in classroom activities; ME – midterm exam; FE – final exam.

It is required:  $(CA + ME) \geq 30$  point;  $FE \geq 30$  point.

***Note:** A student who does not get at least 60% (30 points) of the total points (50 points) allocated for the current control and intermediate control will not be allowed to enter the final control. Also, a student who participated in the final examination and could not collect at least 60% (30 points) of the total points (50 points) allotted for the final examination (i.e. received an unsatisfactory grade) did not acquire the relevant credits in this subject. and is considered an academic debtor.*

#### **IX. Academic requirements**

The interaction between the teacher and the student should be sincere and unbiased, and the student will send the tasks completed independently by e-mail or educational platform in the prescribed order and receive the answer in the same order. Assignments that are not completed within the specified period will not be accepted again. The teacher checks the tasks completed by the student in the anti-plagiarism program, the works with a level of originality below 70 percent are not accepted for evaluation. It is possible to check the completed assignment of the student in the anti-plagiarism program up to 2 times, if the result is not at the required level, the work will not be accepted.

**X.** This syllabus is developed for full-time education, based on which syllabi are developed for correspondence, evening and distance education.

