



Syllabus of the course

INTERNATIONAL STATISTICS

Degree of Higher education - bachelor's degree

Educational and professional program

«International Economics»

Year of study: II Semester IY

Number of credits: 4 Language of learning: English

	Head of the course
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Description of the discipline

International Statistics refers to the basic fundamental disciplines that shape the outlook of future specialists in the branch of international economy. International Statistics, as a discipline, is designed to help students develop the ability to collect and streamline information, learn to have the tools of financial and economic literacy, ability to make independent decisions and use time rationally, develops logical thinking, the ability to critically understand the relationship between social and economic processes, the ability to analyze and process information, the ability to perform research work, evaluate and ensure the quality of the work performed. The course «International Statistics» is aimed at deep and thorough mastering by students of the basics of statistical measurement, methods of collecting, processing, generalizing and analyzing information on socio-economic phenomena and processes that should be used in modern conditions in professional activities with applying international financial, demographic, international trade statistics and statistics of labor resources.. The discipline promotes the development of logical and algorithmic thinking in identifying and studying the patterns that govern the real social and economic processes, in particular in the field of international economy. In the process of studying the discipline students must learn the basic concepts of statistical science, methodology of international statistical research, types and forms of statistical observations in conducting of international comparison.

Structure of the course

Hours (lect./semin.)	Topic	Learning outcomes	Task
2 / 2	1. Theoretical and methodological principles of the general theory of international statistics	To know the main stages of development of science in branch of international statistics and be able to characterize them, learn the basic terminology used in the study of the discipline	Questions, test
2/2	2. International statistical classifications of economic activity	To study the international statistical classifications of economic activity and basic principles of creation and structure of international statistical classifications	Tasks, questions, test
4 / 4	3. International system of national account	To learn and apply the system of indicators of international economic statistics; indicators of economic efficiency in international statistics	Tasks, questions
4 / 4	4. Methodological principles of conducting international comparisons	To study methodology of international comparisons and stages of conducting international comparisons by the United Nations (UN). To learn the European program of comparisons of the UN. To know methods of calculating purchasing power parity: the Geary-Kamis method, the Gherardi and Walsh methods in the calculation of price indices within the framework of multilateral comparisons, the ECS method and its features.	Tasks, questions, test
2 / 2	5. International financial statistics	To study the international financial statistics and the main statistical publications of international financial organizations. IMF International Recommendations on Financial Statistics. Balance of payments statistics. To know the main indicators of the world currency market	Tasks, Questions, test
4/ 4	6. International trade statistics	To know the main tasks of international trade statistics, sources of information on foreign trade, system of	Tasks, Questions, test

		<p>indicators of international trade. To study features of statistics of international trade of goods and services. To learn the index method in foreign trade statistics and statistical methods for studying the relationship in international trade; statistical study of dynamics in foreign trade. To use integrated valuations to study international trade processes of world economic phenomena and processes</p>	
2 / 2	7. International demographic statistics	To study object, tasks and system of indicators of the statistical population and statistics on the number, location and composition of the population, statistics of natural population movement, statistics of population migration, indicators of population reproduction	Tasks, questions
2 / 2	8. International statistics of labor resources	Be able to apply the international statistics of labor resources, statistics of economic activity of the population, employment and unemployment statistics	Tasks, questions
2 / 2	9. International statistics in industry	To study the system of indicators and sources of information of international industry statistics. To know international comparisons of industrial production indicators; international comparisons of labor productivity in industry; indicators of the level of industrial production.	Tasks, questions, test
2 / 2	10. International statistics agriculture and forestry	To study international statistics of agriculture and forestry; system of indicators and sources of information of international agricultural statistics; international comparisons of agricultural products. To study international statistics of forestry.	Tasks, questions, test

RECOMMENDED SOURCES OF INFORMATION

1. Motoryn R.M. International Statistics: organization and methodology: textbook. –K.: KNTEU, 2019. – 456 p.
2. Pidgorny A.Z., Milashko O.G. International statistics: textbook. Odessa: ONEU, 2018. – 160 p.
3. Gorodyanska L.B., Sizov A.I. Statistics for economist. – K.: KNU, 2019. – 350 p.
4. Shesternyak M.M. Reference lecture notes on the discipline «International Statistics». – Ternopil: WUNU, 2020. – 138 p. URL: <http://dspace.wunu.edu.ua/bitstream/316497/38439/1/miznar.statustuka.pdf>
5. Dorohan-Pysarenko L.O., Yehorova O.V., Rudych A.I. Statistics: tutorial – Poltava: PSAU, 2021.
6. Kuzminska N.L. Statistics: lecture notes [Electronic recourse]: tutorial. – K.: KPI, 2018. – 162 p. URL: <http://ela.kpi.ua>
7. Models of sustainable development: a collective monograph // Shynkaryk M.I., Kovalchuk O.Y., Martyniuk O.M., Martyniuk S.V., Plaskon S.A. and other / edited by O.M. Martyniuk. – Ternopil: Textbooks and manuals, 2022. – 400 p.
8. Statistics for Economics – Class 11 – CBSE (2021-2022) / T.R. Gain, V.K. Ohri. – New Delhi: VK Global Publications, 2022. – 502 p.
9. Statistics 1: student book / G.Attwood, T.Begley, I.Bettison, A.Clegg, M.Crozier and other / London: Pearson Education Limited, 2019. – 63 p.
10. Statistics 2: student book / G.Attwood, T.Begley, I.Bettison, A.Clegg, M.Crozier and other / London: Pearson Education Limited, 2019. – 28 p.
11. Statistics 3: student book / G.Attwood, T.Begley, I.Bettison, A.Clegg, M.Crozier and other / London: Pearson Education Limited, 2020. – 160 p.
12. Barrow M. Statistics for Economics, Accounting and Business Studies. United Kingdom: Pearson Education (the seven edit.), 2017. – 508 p.
13. Keller G. Statistics for Management and Economics. – Boston: Copyright Cengage Learning (the eleventh edit.), 2018. – 998 p.
14. National Accounts Statistics: main aggregates and detailed tables, 2020. – New York: Unated Nations, 2021. – 4820 p.
15. Key Statistics and Trends in International Trade 2021: the effects of the COVID-19 Pandemicon International Trade. – Geneva: Unated Nations, 2022. – 35 p.
16. International Trade Statistics: Yearbook 2021. – New York: Unated Nations, 2021. – 400 p.
17. Guide to Shearing Economic Data in Official Statistics. – Geneva: Unated Nations, 2020. – 116 p.
18. World Trade Statistical Review 2021: - Switzerland: World Trade Organization, 2021. - 136 p.
URL: www.wto.org
19. OECD National Accounts Statistics.
URL: <https://www.oecd-library.org>
20. Overview – National accounts – Eurostat – European Comission.
URL: <https://ec.europa.eu>
21. National Accounts Data – UN Statistics Division.
URL: <https://unstats.un.org>
22. International Financial Statistics – IMF Data.
URL: <https://data.imf.org>
23. Methodological provisions on the organization of work under the program of international comparisons in 2017. Order № 113 dated June 27, 2018. State Statistics Service, 2018. 30 p.

URL:

http://www.ukrstat.gov.ua/metod_polog/metod_doc/2018/113/mp_pmz.pdf

24. Statistical Yearbook of Ukraine for 2021. State Statistics Service of Ukraine. Kyiv. - 541 p.

25. State Statistics Service of Ukraine.

URL: <http://www.ukrstat.gov.ua>

26. Gerasymenko S. S. Methodological recommendations for studying the course "International Statistics". – K.: National Academy of Statistics, Accounting and Auditing, 2021 – 45 p.

27. Yuzhanina N. What is wrong again with the harmonized system of description and coding of goods? LEAGUE. Blogs. Author's blog of Nina Yuzhanina from June 5, 2019.

URL: <https://blog.liga.net/user/nyuzhanina/article/33608>

28. [Lee](#) C. F. Financial econometrics, mathematics, statistics, and financial technology: an overall view // [Review of Quantitative Finance and Accounting](#), 2020, Vol. 54. P. 1529–1578.

29. International Statistics: lectures / S.A. Plaskon. – Ternopil: WUNU, 2022. – 75 p.

30. Plaskon S.A. Methodical instructions for studying of the discipline «International Statistics» (for students of all specialties). – Ternopil: WUNU, 2022. – 50 p.

31. Plaskon S. A. Complex practical individual tasks in the course «International Statistics». – Ternopil: WUNU, 2022. – 50 p.

32. Plaskon S., Shevelova S., Ruska R., Martynyuk O., Lesyk O., Seniv H. Causal Relationships Between Gross Domestic Product, International Trade and Foreign Direct Investment in Ukraine. - Conference Proceedings Advanced Computer Information Technologies ACIT`2021. - Deggendorf, Germany, September 15-17, Pp. 214-217.

33. Shevelova S., Plaskon S. Is the Ukrainian economy's absorptive capacity appropriate to attract foreign direct investment and facilitate economic growth? –International Journal of Emerging Markets, Vol. 13, Issue 6, 2018. – pp. 1928-1947.

34. Plaskon S., Seniv H., Novosad I., Masliy V. Application of econometric modeling in the assessment of foreign economic activity of Ukraine // Economic analysis. – Ternopil: TNEU, 2020. – Vol. 30, № 3. – P. 25-32.

35. Plaskon S.A. Econometric modeling of Ukraine's foreign trade balance // Topical Issues of the Development of Modern Science. – Abstracts of XII International Scientific and Practical Conference. – Sofia 2020. P. 235-239.

URL: <https://blog.liga.net/user/nyuzhanina/article/33608>

36. Plaskon S., Masliy V., Lesyk O. International Statistics as Tool for Researching the Country's Foreign Trade Balance // Modern and Global Methods of the Development of Scientific Thought / Proceedings of the V International Scientific and Practical Conference. Florence, Italy (October 25-28, 2022), 2022. Pp. 90-93.

Evaluation policy

Deadline and reassigned policy. Works that seem to be in violation of deadlines without valid reason are rated lower (-20 points). Modules are reassigned with the permission of the Dean, if there are valid reasons (for example, illness).

Academic Integrity Policy. Write-offs during testing and examinations are prohibited (including using mobile devices). Mobile devices may only be used during trainings.

Attendance policy. Class attendance is a must-have component of assessment. For objective reasons (such as illness, international internship), training may be provided on-line with the agreement of the course leader.

Evaluation

The final grade for the course is calculated as follows (I semester):

Module 1		Module 2		Module 3	Module 4	Module 5
10%	10%	10%	10%	5%	15%	40%
Current assessment	Modular control 1	Current assessment	Modular control 2	Training	Independent work	Exam
The grade is defined as the arithmetic average of the grades obtained during classes. Each applicant must receive 3-4 evaluations	Modular control is carried out in a practical session on topics 1-5. Modular control work – max. 100 points: Theoretical question – Max. 35 points; task 1 – max. 20 points; task 2 – max. 20 points; task 3 – max. 25 points.	The grade is defined as the arithmetic average of the grades obtained during classes. Each applicant must receive 3-4 evaluations	Modular control is carried out in a practical session on topics 6 - 10. Modular control work – max. 100 points: Theoretical question – Max. 35 points; task 1 – max. 20 points; task 2 – max. 20 points; task 3 – max. 25 points.	It is defined as the arithmetic mean of the scores obtained for the performance of five training tasks	It is defined as the arithmetic average of the grades obtained during the study of the discipline for the performance of independent work tasks	Two theoretical questions, each of which has 15 points and together 30 points Task 1 - 30 points Task 2 - 40 points

Student Assessment Scale:

ECTS	Points	Content
A	90-100	perfectly
B	85-89	good
C	75-84	good
D	65-74	satisfactorily
E	60-64	enough
FX	35-59	unsatisfactory with the possibility of reassembly
F	1-34	unsatisfactory with the required re-course