

Full Name

Syllabus of the course INTERNATIONAL STATISTICS Degree of Higher education - bachelor's degree Educational and professional program «International Management» Year of study: II Semester IY Number of credits: 4 Language of learning: English

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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 management. 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 management. 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

		Learning outcomes	Task	
Hours	Topic	Topic		
(lect./semin.)				
2 / 2	1. Theoretical and	To know the main stages of	Questions,	
	methodological principles of	development of science in	test	
	the general theory of	branch of international statistics		
	international statistics	and be able to characterize them,		
		learn the basic terminology used		
		in the study of the discipline		
2/2	2. International statistical	To study the international	Tasks,	
	classifications of economic	statistical classifications of	questions,	
	activity	economic activity and basic	test	
	-	principles of creation and		
		structure of international		
		statistical classifications		
4/4	3. International system of	To learn and apply the system of	Tasks,	
	national account	indicators of international	questions	
		economic statistics; indicators of	1	
		economic efficiency in		
		international statistics		
4 / 4	4. Methodological priciples of	To study methodology of	Tasks,	
	conducting international	international comparisons and	questions,	
	comparisons	stages of conducting	test	
	L	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.		
2 / 2	5. International financial	To study the international	Tasks,	
	statistics	financial statistics and the main	Questions,	
		statistical publications of	test	
		international financial		
		organizations. IMF International		
		Recommendations on Financial		
		Statistics. Balance of payments		
		statistics. To know the main		
		indicators of the world currency		
		market		
4/4	6. International trade statistics	To know the main tasks of	Tasks,	
		international trade statistics,	Questions,	
		sources of information on	test	
		foreign trade, system of		

		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	
2 / 2	7. International demographic	To study object, tasks and	Tasks,
	statistics	system of indicators of the	questions
		statistical population and	
		statistics on the number, location	
		and composition of the	
		population movement statistics	
		of population migration	
		indicators of population	
		reproduction	
2 / 2	8. International statistics of	Be able to apply the international	Tasks,
	labor resources	statistics of labor resources,	questions
		statistics of economic activity of	-
		the population, employment and	
		unemployment statistics	
2 / 2	9. International statistics in	To study the system of indicators	Tasks,
	industry	and sources of information of	questions,
		international industry statistics.	test
		10 know international	
		comparisons of industrial	
		international comparisons of	
		labor productivity in industry.	
		indicators of the level of	
		industrial production.	
2 / 2	10. International statistics	To study international statistics	Tasks.
	agriculture and forestry	of agriculture and forestry:	questions,
		system of indicators and sources	test
		of information of international	
		agricultural statistics;	
		international comparisons of	
		agricultural products. To study	
		international statistics of	
		forestry.	

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 recource]: 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: <u>www.wto.org</u>

19. OECD National Accounts Statistics.

URL: https://www.oecd-library.org

20. Overview - National accounts - Eurostat - European Comission.

URL: <u>https://ec.europa.eu</u>

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

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. <u>Lee</u> C. F. Financial econometrics, mathematics, statistics, and financial technology: an overall view // <u>Review of Quantitative Finance and Accounting</u>, 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 Recearching 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

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

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

Student Assessment Scale:

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