Simon Kuznets Kharkiv National University of Economics

Syllabus of the educational discipline
«Statistics»

Specialty	*073 Management*
Educational program	*073.030 Logistics*
Level of education	*The first (Bachelor) level of higher education*
Discipline status	*Mandatory*
Teaching language	*English*
Course / semester	*2nd year, 4th semester*
Number of credits ECTS	*5*
Distribution by types of trainings and hours of study	*Lectures – 24 hours.*
	Laboratory classes – 24 hours.
	Independent training – 102 hours.
Form of final assessment	*Exam*
Department	*Statistics and Economic Forecasting, 61166, Kharkiv, Nauki Ave., 9a, KhNEU. S. Kuznets, Tel. +38 (057) 702-18-32, website of the department: https://statistics.hneu.edu.ua/*
Teacher (-s)	*Sierova Iryna, PhD of Economics, Associate professor of Statistics and Economic Forecasting Department* Derykhovska *Victoriia, PhD of Economics, Associate professor of Statistics and Economic Forecasting Department*
Teacher's contacts	*irina.cevaro@gmail.com* *derykhovskayav@ gmail.com*
Days of the classes	*According to the schedule for the 2nd semester of 2020-2021 academic year.*
Consultations	*According to the schedule of consultations for the 2nd semester of 2020-2021 academic year.*

The purpose of the discipline is
to improve theoretical knowledge and applied skills by means of statistical observations, statistical analysis methods and forecasting of social and economic phenomena and processes.

Prerequisites for learning
List of previously listened disciplines: higher mathematics, economic theory, probability theory and mathematical statistics, microeconomics, macroeconomics, computer sciences.
Knowledge, skills, abilities an applicant must have to start studying the discipline: basics of economic theory, micro- and macroeconomics, be able to apply mathematical tools and have the skills to work in Microsoft Office *(Word, Excel, PowerPoint).*

Content of the educational discipline
Content module 1. **Methods of descriptive statistics**
Theme 1. Methodological principles of statistics
Theme 2. Statistical observation
Theme 3. Summarization and grouping of statistical data
Theme 4. Generalizing statistical indicators
Theme 5. Analysis of distribution series
Content module 2. **Methods of inferentional statistics**
Theme 6. Sampling and sampling distributions
Theme 7. Time series analysis.
Theme 8. Index method

Material and technical support (software) of the discipline
Microsoft Office *(Word, Excel, PowerPoint).*

Course page on the Moodle platform (personal training system)   *https://pns.hneu.edu.ua/*

Recommended literature
Main: *1. Serova I. Statistics: summary of lectures for full-time students of training directions 6.140103 "Tourism", 6.03.0601 "Management" of specialization "Business Administration"/I. Serova. -Kh. publishing*

House of S. Kuznets KhNUE,2014.- 100p.; 2. Business Statistics. A Decision-Making Approach / David F. Groebner; Patrick W. Shannon; Phillip C. Fry; Kent D. Smith. – 7th ed., - 2008.- 1040p. ;3. Statistics for managers using Microsoft Excel / David M. Levine, David F. Stephan, Timothy C. Krehbiel, Mark L. Berenson. - 5th ed., - 2008.-858p. 4. Keller G. Statistics for Management and Economics / G. Keller, B. Warrack. - Fifth edition. - Duxbury, 2000. – 1000 p.; 5. Статистика: навчальний посібник / за ред. О. В. Раєвнєвої. - Харків: ВД «Інжек», 2011. – 504 с. **Additional: 1.** *Applied Statistics. A First Course / Mark L. Berenson, David M. Levine, David Rindskopf. – 1988.- 558p.; 2. Статистика (модульний варіант з програмованою формою контролю знань) навчальний посібник / Опря А.Т., Дорогань-Писаренко Л.О., Єгорова О.В., Кононенко Ж.А.- (2-ге вид., перероб. і допов.). – К.: «Центр учбової літератури», 2017. – 536 с.;* **Internet resources: 1.** *State Statistics Service of Ukraine//www.ukrstat.gov.ua; 2.Eurostat // www.ec.europa.eu/eurostat*

Assessment system of learning outcomes

Assessment of students` formed competencies is carried out on a cumulative 100-point system. Control includes: current control, which is carried out during the semester at lectures and laboratory classes and is assessed by the sum of points (maximum - 60 points; minimum amount that allows students to take an exam - 35 points); final / semester control, which is conducted in the form of a semester exam, according to the schedule of the educational process (maximum amount - 40 points, minimum amount that allows a student to pass an exam - 25 points).

More detailed information on assessment is given in the technological card of the discipline.

Accumulation of rating points in the discipline *(example)*

Types of training	Max points
Lectures	24
Laboratory classes	12
Home work	6
Written Test	8
Modular Test	10
Exam (if available)	40
Max points	**100**

Transference of Simon Kuznets KHNUE Characteristics of Students' Progress into the System of the ECTS Scale

Total score on a 100-point scale	ECTS assessment scale	Assessment on the national scale	
		for exam, differentiated test, course project (work), practice, training	for pass
90 – 100	A	excellent	pass
82 – 89	B	good	
74 – 81	C		
64 – 73	D	satisfactory	
60 – 63	E		
35 – 59	FX	unsatisfactory	not pass
1 – 34	F		

Discipline policies

The policy of the discipline is built taking into account the current legislation of Ukraine and regulations of the University. Teaching of the discipline is based on the principles of academic integrity, which is defined by the Code of Academic Integrity of the Simon Kuznets Kharkiv National University of Economics https://www.hneu.edu.ua/akademichna-dobrochesnist/

More detailed information about competencies, learning outcomes, teaching methods, assessment forms, independent training is given in the Syllabus (working plan) of the educational discipline (link).

Syllabus approved at the meeting of the Department of Statistics *and Economic Forecasting*.

Minutes № 3 dated on 19.09.2020