



Syllabus of the educational discipline «Statistics»

Specialty	073 Management
Educational program	073.020 Innovation Management
Level of education	First (Bachelor) level
Discipline status	Base
Teaching language	English
Course / semester	2 nd 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 (<i>Word, Excel, PowerPoint</i>).	
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 inferential 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 (<i>Word, Excel, PowerPoint</i>).	
Course page on the Moodle platform (personal training system)	https://pns.hneu.edu.ua/course/view.php?id=1732
Recommended literature	
Main: 1. Serova I. <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</i>	



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. Раєвневої. - Харків: ВД «Інжеск», 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	satisfactory	
64 – 73	D		
60 – 63	E	unsatisfactory	not pass
35 – 59	FX		
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). <https://pns.hneu.edu.ua/course/view.php?id=1732>