

Syllabus Form of Academic Discipline

№	Field name	Detailed content, comments
1.	Name of the faculty	Infocommunication
2.	The level of higher education	Bachelor's
3.	Code and title of specialty	152 Metrology and information measuring technics
4.	The type and title of the educational program	Technical expertise
5.	Code and title of the discipline	Higher mathematics (special chapters)
6.	Number of ECTS credits	5
7.	The structure of the course (distribution by type and hours of training)	semester control 30 h. – 15lc, 30 h. – 8 pr, 10 h. – 5 cons, 80 h. – independent work, credit
8.	Schedule (terms) of study of the subject	2-nd year, 3-d semester
9.	Prerequisites for learning the discipline	Before should know in the discipline Higher mathematics
10.	Abstract (content) of the discipline	1. Sets theory principles 2. Probability principles 3. Mathematical statistics 4. Probability processes
11.	Competencies, knowledge, skills, understanding that a higher education acquirer has in the learning process	Ability to select and use the necessary methods and tools, as well as tables, directories and computers. Have methods of processing statistical data using a computer, simulate using a computer physical processes in measuring instruments; have: basic skills of mathematical research; independently understand the mathematical apparatus, special literature.
12.	Learning outcomes of a Higher Education applicant	Ability to demonstrate knowledge and understanding of the basics of probability theory and mathematical statistics.
13.	Assessment system in accordance with each task for taking tests/exams	1. Perform 6 ind. tasks in practical classes. 2. Compose 2 tests. 3. Get at least 60 points per semester. 3. Get credit. Grade for the semester: $P_{\pi} = \frac{25}{6}lc + \frac{5}{6}pc + T = (60-100) \text{ points.}$
14.	The quality of the educational process	The policy of academic integrity (http://lib.nure.ua/plagiat), updating the content of the discipline on the basis of modern practices in 2019.
15.	Methodological support	1. Complex of Scientific and Methodological Support "Special chapters of higher mathematics (mathematical statistics)" to Bachelors for speciality 152 «Metrology and information measuring technics» [Electron

		<p>resource] / KhNURE; S.V. Luts'ky. – Kharkiv, 2017. – 82 p. http://catalogue.nure.ua/knmz.</p> <p>2. Volodarsky, Ye.T., Kosheva L.O. Data statistical processing – Kyiv.: NAU, 2008. – 308 p.</p> <p>3. Tevyashev, A. D., Kozyrenko S.I., Ahapova I.S. Probability theory and mathematical statistics : Kharkiv : KhNURE, 2007. – 248 p.</p> <p>4. Rybalko, O. M. Higher mathematics (Special chapters). Probability theory principles with mathematical statistics elements : KhNURE. Kharkiv : Kolehium, 2014. 360 p.</p> <p>5. Nikitenko O. M. Methodological materials to practical studies for discipline «Mathematical statistics elements», «Higher mathematics of special chapters», «Mathematical special chapters» for speciality 152 «Metrology and information measuring technics». Kharkiv: KhNURE, 2016. – 43 p.</p>
16.	The developer of the Syllabus	O. M. Nikitenko, Ass. prof. Metrology and Technical expertise Department, PhD E-mail: nikonxipe@gmail.com

Note.

The Syllabus is a document explaining the mutual responsibility of the teacher and the student. It presents procedures (including deadlines and evaluation principles), policies (including academic integrity policies) and the content of the discipline, as well as a calendar for its implementation. The measured goals that the teacher sets before his discipline should be stated in the Syllabus. The student must understand what he/she will be able to learn, what this course may be useful for. The Syllabus outlines the conceptual transition from "knowledge acquisition" and "practical skills" to competencies that a student can learn while studying this course. The Syllabus includes the course summary, purpose (competences), list of themes, reading materials, rules for passing missed classes. Unlike the work program and the educational and methodological complex of the discipline, The Syllabus is created for the student.