

Syllabus of Academic Discipline
“Standardized approach to quality management”

| № | Field name | Detailed content, comments |
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| 1. | Name of the faculty | FACULTY OF INFOCOMMUNICATIONS |
| 2. | The level of higher education | Bachelor's educational and scientific |
| 3. | Code and title of specialty | 152 – Metrology and Information-Measuring Technology |
| 4. | The type and title of the educational program | Educational program – Quality of products, processes and software |
| 5. | Code and title of the discipline | |
| 6. | Number of ECTS credits | 6 |
| 7. | The structure of the course (distribution by type and hours of training) | 24 h. – 12 L., 24 h. – 12 P., 12 h. – 6 C., 120 h. – independence, type of control: exam |
| 8. | Schedule (terms) of study of the subject | II year, IV semester |
| 9. | Prerequisites for learning the discipline | Previously, the disciplines “Qualimetry”, “Higher mathematics (special chapters)” should be studied. |
| 10. | Abstract (content) of the discipline | Discipline of basic (professional) studying in the specialty, contains content modules: 1. Basic concepts in the field of quality management. 2. Modern concepts and models of quality management. 3. Quality control tools. 4. Self-assessment and quality management. |
| 11. | Competencies, knowledge, skills, understanding that a higher education acquirer has in the learning process | Knowledge of the history of quality management models development in the world, modern concepts and models of quality management, tools for evaluating quality indicators. Having skills in using the quality control tools and the ability to carry out self-assessment and quality management in the enterprise. Ability to implement in practice the requirements of the model of excellence EFQM, to evaluate of quality indicators of the organization. |
| 12. | Learning outcomes of a Higher Education applicant | Ability to demonstrate knowledge and understanding of the history of quality management models, modern European quality management models, to apply in practice the tools of quality control and tools for self-assessment of the enterprise operation quality. |
| 13. | Assessment system in accordance with each task for taking tests/exams | 1. 6 tests on practical classes. 2. To get 60 credit score during the semester. 3. Pass the exam. Credit score for semester (C_s) is calculated by the formula: |

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| | | $C_s = (8-15)P_{\text{№1}} + (13-20)P_{\text{№2}} + (8-15)P_{\text{№3}} + (7-15)P_{\text{№4}} + (7-15)P_{\text{№5}} + (17-20)P_{\text{№6}} = (60-100)$ credit score. Credit score for exam $C_e = (60-100)$ credit score. The combined exam carries out in the form of an answer to exam papers (4 tasks, duration 60 minutes). Final exam score $S = 0.6 * C_s + 0.4 * C_e$ |
| 14. | The quality of the educational process | Adherence to the principles of academic integrity (http://lib.nure.ua/plagiat). Update the work program of the discipline – 2023 year. |
| 15. | Methodological support | 1. Complex of educational and methodical support of the educational discipline "Models of total quality management" for the bachelor of a specialty 152 "Metrology and information-measuring technology", educational program "Technical expertise" [Electronic resource] / KhNURE; Compiler: I.Moshchenko. - Kharkiv, 2018. http://catalogue.nure.ua/knmz . 2. Metodichni vказivky do praktychnykh zaniat z dystsyplin «Modeli zahalnoho keruvannia yakistiu» dlia studentiv usikh form navchannia spetsialnosti 152 «Metrolohiia ta informatsiino-vymiriuvalna tekhnika» osvitho-profesiinoi prohramy «Tekhnichna ekspertyza» / Uporiad. I.O. Moshchenko. – Kharkiv: KhNURE, 2021. – 32 s. 3. Metodichni vказivky do kursovoi roboty z dystsypliny «Modeli zahalnoho upravlinnia yakistiu» dlia studentiv spetsialnosti 152 – «Metrolohiia ta informatsiino-vymiriuvalna tekhnika» osvitho-profesiinoi prohramy «Tekhnichna ekspertyza» / Uporiad.: I.O. Moshchenko, O.M. Nikitenko. – Kharkiv, KhNURE, 2021. – 28 s. |
| 16. | The developer of the Syllabus | I.Moshchenko, Department of Information and Measurement Technology, PhD E-mail: inna.moshchenko@nure.ua |