№	Field name	Detailed content, comments
1.	Name of the faculty	Information radio technologies and technical protection of information
2.	The level of higher education	Bachelor
3.	Code and title of specialty	172 Telecommunications and radio engineering
4.	The type and title of the educational program	Media engineering
5.	Code and title of the discipline	Fundamentals of digital technology
6.	Number of ECTS credits	4
7.	The structure of the course (distribution by type and hours of training)	Lectures - 24, practical - 8, laboratory - 16, consultations -10, independent work - 72, semester control - exam
8.	Schedule (terms) of study of the subject	The first course is accelerated, semester - 2
9.	Prerequisites for learning the discipline	Higher mathematics, element base of circuitry, basics of electronics, theory of electric circuits
10.	Abstract (content) of the discipline	1. Circuitry of functional units of combinational type 2. Circuitry of nodes of sequential type 3. Storage devices
11.	Competencies, knowledge, skills, understanding that a higher education acquirer has in the learning process	Ability to apply knowledge of digital circuitry in practical situations. Knowledge and understanding of the subject area and understanding of professional activity. Ability to solve engineering problems in the field of electronics taking into account all aspects of development and design of digital devices and systems.
12.	Learning outcomes of a Higher Education applicant	Describe the principle of operation using scientific concepts, theories and methods and test the results in the design and application of digital devices and systems electronics.
13.	Assessment system in accordance with each task for taking tests/exams	To evaluate the student's work during the semester, the final rating is calculated as the sum of grades for different types of classes and control activities. Each practical lesson and laboratory work is evaluated in 5 points.

14.	The quality of the educational process	The policy of academic integrity, updating the content of the discipline on the basis of modern practices, scientific achievements, recommendations of employers
15.	Methodological support	1. Kartashov V.M. Tymoshenko L.P. Textbook for freelance students. –H .: FOP Koryak S.F., 2018. – 272p. 2. Tymoshenko L.P. Circuitry of devices of technical protection of information: textbook. manual for university students [text] / ed. V.M. Kartashova, Ch.2. H .: SMITH Company, 2015–232p. 3. Methodical instructions to the computer laboratory workshop on disciplines "Digital circuitry" / Uporyad. L.P. Tymoshenko, Kharkiv, KNURE, 2019, - 79p.
16.	The developer of the Syllabus	Prof. Leonid P. Timoshenko. leonid.tymoshenko@nure.ua