№	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	171 Electronics
4.	The type and title of the educational program	Multimedia systems, technologies and computer tools
5.	Code and title of the discipline	Analog circuitry
6.	Number of ECTS credits	5
7.	The structure of the course (distribution by type and hours of training)	Lectures - 30, practical - 10, laboratory work -20, consultations - 12, term paper - 30, independent work - 84, semester control - exam
8.	Schedule (terms) of study of the subject	Course two, semester- 4
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. Typical circuit configurations transistor stages. 2. Transistor amplifiers. 3. Signal processing devices on operational amplifiers. 4. Circuitry of active filters 5. Analog signal converters
11.	Competencies, knowledge, skills, understanding that a higher education acquirer has in the learning process	Ability to apply knowledge of analog 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 analog 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 devices, devices and systems of electronics.
13.	Assessment system in accordance with each task for taking tests/exams	To assess the student's work during the semester, the final rating is calculated as the sum of grades for different types of classes and tests. Each practical lesson

		and laboratory work is evaluated in 5 points.
14.	The quality of the educational process	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. Tymoshenko L.P., Zelenin A.M. Analog electronic devices: Textbook. manual for university students / Ed. V.M. Shockalo. - Kharkiv: Collegium, 2007. – 298p. 2. Tymoshenko L.P. Circuitry of devices of technical protection of information: textbook. manual for university students (text) / ed. V.M. Kartashova, Ch.1. (Analog circuitry) H .: SMITH Company, 2012–340p. 3. Methodical instructions for practical classes for independent work in the discipline "Analog Circuitry" /Uporyad.:L.P.Tymoshenko.¬Kharkiv: KhNURE, 2015.¬ – 172 p. 4. Methodical instructions for course design in the discipline "Analog Circuitry" / Edited by: L.P. Tymoshenko.¬ Kharkiv: KNURE, 2018 - 60p. 5. Methodical instructions to the computer laboratory workshop on disciplines "Analog circuitry" / Uporyad. L.P. Tymoshenko, Kharkiv, KNURE, 2019, - 79p.
16.	The developer of the Syllabus	Professor, Leonid P. Tymoshenko. leonid.tymoshenko@nure.ua