№	Field name	Detailed content, comments
1.	Name of the faculty	Faculty of Information Radio Technologies and Technical Information Protection
2.	The level of higher education	Bachelor's degree
3.	Code and title of specialty	172 "Telecommunications and radio engineering"
4.	The type and title of the educational program	Educational and professional program "Media Engineering"
5.	Code and title of the discipline	**Cable and satellite television systems**
6.	Number of ECTS credits	4
7.	The structure of the course (distribution by type and hours of training)	Lectures - 26 hours; practical classes - 6 hours; laboratory classes - 16 hours; independent work -64 hours; semester control - combined exam.
8.	Schedule (terms) of study of the subject	Course - 4; semester - 8.
9.	Prerequisites for learning the discipline	The disciplines "Physics", "Electrodynamics", "Fundamentals of Television", "Radio Broadcasting Systems and Networks", "Signals and Processes", "Fundamentals of Circuitry", "Radio Transmitting and Receiving Devices", "Radio Access Technologies" should be studied earlier.
10.	Abstract (content) of the discipline	Compulsory discipline of professional and practical training, contains content modules: 1. Features of the structure of CCB systems, principles of construction 2. Satellite television systems, principles of construction. 3 Symmetrical and asymmetrical cables for satellite and cable television systems. 4. Fiber-optic cable in cable television networks. 5. Active optical components. 6 Active equipment of hybrid optical-coaxial cable television network.
11.	Competencies, knowledge, skills, understanding that a higher education acquirer has in the learning process	Ability to perform instrumental measurements in information and telecommunication networks, telecommunication and radio systems. Ability to carry out installation, adjustment, adjustment, adjustment, experimental check of working capacity, tests and commissioning of constructions, means and equipment of telecommunications and radio engineering.
12.	Learning outcomes of a Higher Education applicant	- to determine and apply in professional activities test methods of information and telecommunication networks, telecommunication and radio systems for compliance with the requirements of domestic

		and international regulations; - explain the results obtained as a result of measurements, in terms of their significance and relate them to the relevant theory; - carry out standard tests of information and communication networks, telecommunication and radio systems for compliance with the requirements of domestic and international regulations;
13.	Assessment system in accordance with each task for taking tests/exams	1. Practice and defend laboratory work. 2. Perform 2 counter. work in practical classes 3 Prepare an abstract. 4. Get at least 60 points per semester. 5. Pass the combined exam. Grade for the semester $O_{\text{сем}}$: (2-4) x3 - practical classes + (3-5) x4- laboratory classes + (15-25) x2 -control work + (12-20) - abstract = (60-100) points. Grade for the exam $O_{\text{екз}}$ = (60-100) points. The exam is combined.
14.	The quality of the educational process	Adherence to the principles of academic integrity (http://lib.nure.ua/plagiat). Update of the working program of the discipline - 2019. The laboratory workshop is equipped with modern measuring instruments, including digital oscilloscope SDS-E and generator FY6800
15.	Methodological support	Комплекс навчально-методичного забезпечення навчальної дисципліни " Системи кабельного та супутникого телебачення " підготовки бакалавра спеціальності 172 «Телекомунікації та радіотехніка» ,освітня програма «Медіаінженерія» [Електронний ресурс] / ХНУРЕ ; розроб. В.М. Олейніков. – Харків, 2019. – 438 с. http://catalogue.nure.ua/knmz.
16.	The developer of the Syllabus	Professor, Vladimir Oleynikov, E-mail: vladimir.oleinikov@nure.ua