

№	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	Systems, Technologies and Computer Means of Multimedia.
5.	Code and title of the discipline	Basic Technologies of Multimedia .
6.	Number of ECTS credits	4
7.	The structure of the course (distribution by type and hours of training)	Lectures – 24 hours, practical lessons - 8, laboratory experiments -16, consultations - 8, an individual task – 10 and a semester exam.
8.	Schedule (terms) of study of the subject	The first semester of study
9.	Prerequisites for learning the discipline	Good knowledge in physics, mathematics and informatics.
10.	Content of the discipline	The discipline contains next semantic modules: 1. Forming of multimedia objects; 2. Colors and sounds in multimedia; 3. Processing of pictures; 4. Processing of video images.
11.	Competencies, knowledge, skills, understanding that a higher education acquirer has in the learning process.	Competencies and understanding of the subject's professional activity domain. Knowledge of the basic principles of light, color and sound transformation to a digital form and construction of animation objects. Possibility to use program packages for processing pictures, videos, sounds and development of multimedia electronic devices. Skills to apply the corresponding software and to work with computer networks and Internet for creation of multimedia products.
12.	Learning outcomes of a Higher Education applicant	Application of the creative potential while making multimedia products. Ability to solve engineering tasks at development of multimedia systems. Ability to process an image and sound.
13.	Assessment system in accordance with each task for taking tests/exams	1. Fulfilment and presentation of four laboratory experiments (le). 2. Participation in four tests during practical lessons (pl). 3. Fulfilment of one individual task (it) on image processing. 4. Participation in the combined examination. The semester estimation $E_{\text{sem}} = (6-10) 4 \text{ le} + (6-10) 4 \text{ pl} + (12-20) 1 \text{ IT} = (60-100)$ points. The exam estimation $E_{\text{ex}} = (60-100)$ points. The final estimation E_f is calculated by the formula $E_f = 0.6 E_{\text{sem}} + 0.4 E_{\text{ex}}$.

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, etc.
15.	Methodological support	Complex of Educational and Methodological Support for the discipline “Basic technologies of Multimedia”/ КНМЗ Коритцев_ БТМ_171, ЕБ ХНУРЕ, 2019.- 275 с.
16.	The developer of the Syllabus	Professor, Dpt. MEIRES, Igor V. Koryttsev, igor.koryttsev@nure.ua