

## **OPTOELECTRONIC DEVICES AND SYSTEMS**

Discipline "Optoelectronic devices and systems" refers to the cycle of professional disciplines and practical training and sets out 3-year student of V semester. Design, construction and operation of modern equipment will require the knowledge and skills to practical use as a radio-electronic and optoelectronic devices and systems. The students become familiar with the features of optical flow as storage media, in particular the nature of the coherence of light and features the use of coherent light fluxes. Among the sources of light in the first lasers are considered: features of their structure and use. Particular attention is paid to semiconductor lasers, which are based on fiber optics. We consider the element base of fiber optics, principles of fiber-optic communication lines and fiber-optic sensors of various physical quantities and fields. The lecture course on discipline "Optoelectronic devices and systems," concludes the course labs.