**1. Course unit title:** **New Information Technology and Technology Training**

**2. Course unit code:** ІІКТ\_6\_2.07\_2

**3. Type of course unit:** compulsory optional

**4. Semester:** 3

**5. Number of ECTS credits allocated:** The total number of hours – 60 (credits ECTS - 2), hours in the classroom - 34 hours (lectures - 10 laboratory classes - 24)

**6. Name of lecturer:** Ramskyy Yuri Saviyanovych - candidate of physical-mathematical sciences, professor

**7. Learning outcomes of the course unit:**

As a result of the study module the student must:

**know**: the basic concepts of information technology and history of its development, computer architecture, operating systems and their functions, the system of processing text and image data, multimedia and software for creating multimedia resources, teaching principles of technical training; modern classification of TSE; structure, principle of action, the appointment of all kinds and types of school equipment, rules of using TSE and software

**be able to:** customize the operating system, work with the service and standard programs, archive data, work with text, image and video editing, use the latest technology in the educational process, create presentations, personal sites, electronic publications, produce video clips of lessons or training measures

**8. Mode of delivery:** face-to-face

**9. Prerequisites and co-requisites:** information culture

**10. Course contents:**

Information technology and their place in the educational process. Computer facilities. Operating systems. Systems for processing text and image data. Didactic principles and possibilities of activation mental activity of students using TSE. Training Opportunities of TSE. Classification of TSE. The computer as a modern technical means of data processing. Prospects for the development and use of information and communication technologies. Multimedia equipment. Supporting TSE. Audience technical complexes. Training of teachers for uses TSE in the educational process. Sanitary rules while using TSE

**11. Recommended or required readings:**

1. Коджаспирова Г.М., Петров К.В. Технические средства обучения и методика их использования: Учеб. пособие для студ. высш. пед. учеб. заведений, - М.: Изд.центр «Академия» 2007, - 256 с.

2. Морзе Н.В. Основи інформаційно-комунікаційних технологій. – К.: Видавнича група ВНV, 2006. – 298 с.

**12. Planned learning activities and teaching methods:** lectures, laboratory work, individual educational and research tasks, independent work

**13. Assessment methods and criteria:**

• Current control (50%): oral questioning, independent work

• Final control (50%, exam): individual educational and research tasks

**14. Language of instruction:** Ukrainian