



TECHNOLOGY TRENDS IN ICT

Course Workload		Assessment form (examination/ graded test/ ungraded test)
ECTS	Hours	
3	108	Exam

The course considers fundamentals of business law in the ICT sector. There are studied processes of production, dissemination and use of information based on information technologies as objects of regulation. The features of legal basis for the information society development are studied, as well as the regulation of activity in ICT sector in Russia and Globally.

Course structure:

1. THE CONCEPT AND TRENDS OF THE SECTOR ICT

- 1.1. Key segments of the sector ICT. Overview of global technological trends: digital transformation.
- 1.2. Trends and technologies of the ICT sector: AI technologies, Hive Intelligence, Big Data, Data Fabric, Internet of Things, Internet of Behavior, Cloud technologies, Blockchain, Wireless sensor networks (WSN), Digital media, Data protection and cybersecurity.

2. ANALYSIS OF MODERN TECHNOLOGICAL TRENDS AND TECHNOLOGIES IN THE ICT SECTOR

- 2.1. Monitoring global technological trends in the ICT sector.
- 2.2. Types and applications of AI technologies: industry, education, economics and creativity.
- 2.3. Big Data and Machine learning.
- 2.4. Internet of Things and Wireless Sensor Networks (BSN).
- 2.5. Digital media: new models of creation and consumption.
- 2.6. Development of the data protection in intelligent systems.