1.	**Course title**	Engineering ERP business Systems
2.	**Course code**	СИ-И-08
3.	**Semester**	10
4.	**Unit offering the course**	Faculty of Computer Science and Engineering
5.	**ECTS**	6
6.	**Goals of the study programme**	
	Upon completion of this course, students are expected to know the key elements of software modeling of business processes in an integrated and logical way in business systems. Students should demonstrate a practical understanding of business system integration and its use in the context of the modern business environment. Summarize the functions of Enterprise Resource Planning - ERP systems. Explain the business and technical prerequisites that have resulted in the need for ERP systems. Evaluate commercial ERP systems to determine if they meet business needs. To compare the logical, technological and organizational architectures of such systems. Students should demonstrate knowledge of the structure, modules and functionalities of ERP systems	
7.	**Contents of the study programme**	
	Modules of ERP systems, functions of ERP systems. Concepts in the background of modules and functions. Planning and implementation of ERP system from a user and author's point of view. Technologies used. Commercially available ERP systems. Open source systems. SAP system, Odoo system, Microsoft Dynamics AX system. Modules for production, material operations, sales and marketing, human resources, finance, accounting, procurement.	