1.	**Course title**	Software Lifecycle Management
2.	**Course code**	СИ-3-01
3.	**Semester**	9
4.	**Unit offering the course**	Faculty of Computer Science and Engineering
5.	**ECTS**	6
6.	**Goals of the study programme**	
	The aim of the course is for students to gain solid knowledge of software engineering process for developing large software projects. Upon completion of the course, candidates will be able to: specify, model, implement and test software systems; define, plan and manage projects for developement and maintaining complex software systems; work in a team, collaborate with other teams on a joint project; extract, analyze and document experiences from software development projects and software-intensive systems; master the general principles and techniques of quality control of software system and validate security, safety, reliability characteristic of different types of software systems.	
7.	**Contents of the study programme**	
	Software life cycle, methodologies and techniques. Agile methods for software development. Requirements management. Systematic and detailed design methods. Planning and managing the software development process. Software project management, resource management, risk control. Quality control through audits and testing. Delivery strategies. Manage configurations and changes. Software maintenance, IT service delivery and customer relations. Specifications for web-based software development and distributed software and cloud systems. Software for service oriented systems. Software for mobile devices and embedded systems. Software as a service. Economic aspects of software development. Software lifecycle management software tools.	