1.	**Course title**	Model based software Engineering
2.	**Course code**	СИ-И-05
3.	**Semester**	9
4.	**Unit offering the course**	Faculty of Computer Science and Engineering
5.	**ECTS**	6
6.	**Goals of the study programme**	
	Upon successful completion of this course, the student will be able to: clearly respect the influence of abstraction and modeling in the development of software architecture, design, and code; critically discuss and research key concepts in software models; using models and meta-models to automatically generate code; to choose models for designing, analyzing and implementing systems; analyze and select the appropriate tools.	
7.	**Contents of the study programme**	
	Model theory, Data modeling, composition, behavior and architectures, Reapplication of artifacts, Service-Oriented Modeling, Model-Based Architecture, Frames and Tools.	