1.		**Course title**	Systems for data-based business decision
2.		**Course code**	ИС-И-07
3.		**Semester**	9
4.		**Unit offering the course**	Faculty of Computer Science and Engineering
5.		**ECTS**	6
6.		**Goals of the study programme**	
		In this course, the students will gain knowledge about data-based business decision. The students will be introduced to how to represent knowledge, as well to the methods and techniques for decision-making, design, development and evaluation of data-driven business decision support systems. Upon completion of this course, the students will gain in-depth knowledge for the techniques and methods for business decision-making, proper selection of methods and techniques, design and development of business decision-support systems and their application in various applications. Students will gain practical knowledge through case study analysis.	
7.		**Contents of the study programme**	
		Decision making, introduction, concepts, business decisions. Collection and representation of business data. Methods and techniques for modeling in business decision-making. Decision support systems, introduction, concepts, categorization. Design and development of decision support systems. Software tools and environments for design and development. Business decision analysis. Evaluation of decision results. Business decision-making in the management of organizations. Business decision-making in marketing, sales and e-commerce. Business decision making for customer relationship management. Business decision-making in production and innovations. Business decision-making for optimization, scheduling and planning.	