2. Course code CC-И-02		
3. Semester 9		
4. Unit offering the course Faculty of Comp	outer Science and	
5. ECTS 6		
6. Goals of the study programme	Goals of the study programme	
The aim of the course is to introduconcepts of big data, and the process distributed mass storage, to distributed during collection or after collection) and of data processing in order to suppobusiness improvement and improvement and improvement and improvement after competencies that the stacquire after completing the course: I the stacquire after completing the course: I methods for mass distributed storage techniques and methods for mass distributed processing to methods for mass and distributed processing data for future processing and project for storage, processing and profice distributed and big data to enable design distributed data management software engineers to design cloud so on distributed databases, to presprinciples and techniques to future reand to give them a basis for future work Contents of the study programme	d mass processing (live d analysis of the results of decision making, ement of flows and udent is expected to o know techniques and of big data- to know stributed preparation of know techniques and eessing and analysis of edge in a specific real rocessing and analysis of tuture architects to a solutions,- to enable of tware solutions based tent the fundamental esearchers in the field,	

Topics covered within this course:- Introduction to big data. Need and value of big data. Big data from social networks.-Big data modeling and statistical processing of big data.-Search and mining of big data.- Big data scientific applications.- Privacy, integrity and big data protection.-Introduction to distributed data processing.- Programming tools, algorithms and techniques for big data processing, such as HDFS, MapReduce, Zookeeper, HBase and others.-Design and architecture of distributed data and distributed database systems.- Processing questionnaires distributed environment.- Distributed control of competitive approach and concepts of possible consistency.- Managing distributed databases.- Processing questionnaires in a distributed environment- Data streaming and cloud computing- NoSQL management for big data. Graph Analytics.