Study program: Business Economics and Entrepreneurship (180 ECTS); Finance banking and insurance (240 ECTS)	

Type and level of studies: Basic academic studies, first level of studies
Course title: BUSINESS COMPUTER SCIENCE
Professor: Đorđević Gordana
Course status: obligatory
ECTS Points: 7
Condition: Enrolled I semester, completed course and successfully completed pre-exam obligations
Objective: Introducing students with basic computer concepts, technological components of the computer and the connection between hardware and computer software through the study of the principles of computer technology and modern information technology, concepts of computer architecture and basic functional parts of the operating system, through the knowledge of the architecture of computer networks, protocols and Internet services as well as with the classic data organization and basic techniques of database design in the IS.
Outcome: After passing the exam, the student has basic theoretical and practical knowledge in the field of architecture and computer organization, understands basic concepts of operating systems, knows the basics of concepts, computer networks, the possibility of using Internet / Intranet services and network protocols.
Contents of the course   **Theory teaching:**   Basics of system theory. Cybernetics and systems management. Information Technology and Computing. Business application of computers. Business Informatics. Computer systems (development, categories, structure, components, input and output units, units for storing data, mathematical and logical basics of computers). Computer software (concept and division, operating systems - OS, OS characteristics for individual types of processing, graphic OS, programming languages, application software, application programming). Computer networks (concept and purpose, types, passive and active network equipment, computer interfaces, computer communication and communication protocols, topology, possible attacks and protection of computer networks, Internet, intranets and extranets). Organization of data (organizational units of data, size and volume of files, basic forms of processing, organization and search mode). Databases (classic data processing system and databases based on databases).   **Practical teaching:**   Identifying personal computer components, architecture and computer organization, processor, memory, and computer network. Getting to know the operating system. Working with internet explorer and getting acquainted with internet services. Preparation of colloquium and exams. Evaluation of realized teaching and analysis of its results.
References: [1]. **[**1]. Živadinović J., Medić Z., (2014), Business Informatics, High School for Business Economics and Entrepreneurship Belgrade

Number of active classes	Theoretical classes: 2	Practical classes: 2

Methods of teaching: Lectures are auditory, and they are performed in amphitheater with all students and fully followed by video presentations. Exercises are carried out by groups of students in classrooms: (1) as auditory, where further lectures are further elaborated and the characteristic cases are analyzed; (2) as indicative, for representing the components of a personal computer; and (3) as, laboratory for practical work with internet explorer and internet services;

Knowledge assessment (maximum number of points 100)			
Pre-exam obligations	**Points 50**	**Final exam**	**Points 50**
activity during lectures	20	Oral exam	50
colloquium-first	15		
colloquium-second	15		