

## Computing – 7 semester

Lp.	Subject	Description	Semester	ECTS credits	Number of hours for the form of education						Form of passing	
					Lecture	Exercise	Practical classes	ZK	PS	PZ	Exam	Credit
1.	Economic law	Acquiring basic knowledge in the field of private and public economic law, in particular constitutional law principles of economic law. Acquiring basic knowledge in the field of legal regulations for starting and running a business in various (individual and group) forms. Acquiring the ability to think and act in an entrepreneurial manner, taking into account the principles of professional ethics.	7	3	15	30	-				-	x
2.	Civil law contracts	Acquiring basic knowledge in the field of private and public economic law, in particular constitutional law principles of economic law. Acquiring basic knowledge in the field of contract law, in particular regarding contracts concluded in trade economic. Acquiring basic skills in interpreting the texts of contracts concluded in business transactions, as well as preparing drafts of such contracts.	7	3	15	30	-				-	x
3.	Business communication	Developing skills in: precise speaking, persuasion, active listening, receiving and providing feedback. Developing	7	2	15	15	-				-	x

		skills in dealing with conflict situations.										
4.	Negotiations in business	Familiarizing students with the stages of the negotiation process and preparing them to play specific roles in the process negotiations. Preparation for negotiations.	7	2	15	15	-				-	x
5.	Smart buildings	Presentation of information regarding systems for managing the technical equipment of buildings and facilities intelligent. Presentation of information regarding electronic circuits used in building automation and systems controlling the operation of energy receivers in residential buildings and public facilities. Obtaining practical skills in selecting and programming elements used in building installations and intelligent objects and the ability to effectively communicate with specialists in the field of technical equipment buildings and industrial facilities.	7	3	15	-	30				x	x
6.	Energy management systems	Presentation of information regarding energy management systems in intelligent buildings. Presentation of information regarding electronic circuits used in building automation and systems controlling the operation of energy receivers in residential buildings and public utility facilities aimed at optimization of energy consumption. Obtaining practical	7	3	15	-	30				x	x

		skills in selecting and programming elements used in building installations, intelligent objects and energy management systems, as well as the ability to effectively communicate with specialists in the field of technical equipment of buildings and industrial facilities with energy management systems.										
7.	Big Data	Familiarization with the subject of Big Data. Familiarization with the topic of data collection from production equipment. Introduces students to the processing of large volumes of data in batch and stream mode.	7	3	15	-	30				x	x
8.	Cloud computing	Familiarization with the topic of cloud computing. Familiarization with basic cloud services and how data is stored and processed. Learning the basic security mechanisms in the cloud.	7	3	15	-	30				x	x
9.	Team project	Understanding and practicing the implementation of tasks in a team. Team communication exercise.	7	3	-	-	30				-	x
10.	Diploma seminar	Ongoing control and stimulation of systematic implementation of diploma work. Allowing students to present assumptions and results of the diploma project. Improving the ability to publicly present the results of one's own work using modern means of technical and audiovisual aids. Developing the ability to precisely formulate and express	7	3	-	-	45				-	x

		thoughts and draw correct conclusions.Presentation of the rules for preparing a diploma thesis from the substantive and editorial point of view. Presentation of the rules creating documentation of an engineering project.										
11.	Professional practice IV	Professional practice in real IT companies. Learn daily IT jobs in practice, solve real IT Problems in companies.	7	8	-	-	240				-	x
	<b>Total:</b>			<b>36 ECTS</b>								