NAME OF THE COU	IRSE	Decision support	systems						
Code	EUB40	2	Year of study			2			
Course teacher	Hell, P Associ	ate professor Marko hD ate professor a Garbin Praničević,	Credits (ECTS)			5			
Associate teachers	Hell, P Associ	ate professor Marko hD ate professor a Garbin Praničević,	Type of instruction (number of hours)			L 26	S	E 26	F
Status of the course	Obliga	tory	Percentage of application of e-learning			40%			
		COURSE							
Course objectives		ng competencies and n-making process	skills to	evalua	ate the imp	ortance	and use	of IT in	the
Course enrolment requirements and entry competences required for the course									
Learning outcomes expected at the level of the course (4 to 10 learning outcomes)	Assess the importance of a decision support system in the context of the business system  1. Identify the role of information system in business decision making 2. Perform business analysis based on historical data 3. Critically evaluate business simulation scenarios								
Course content broken down in detail by weekly class schedule (syllabus)	subjec organi	v of the importance of t. Information flows in zational systems. Gene tion of the Information	etic	2	Process M	sk 1: Creating BPMN Business ocess Models (Private Processes) cording to guidelines.			2
	of IS for	sion based on student ents on forum. Import or the organizational n and for decision-mak nolders.	ance	2	Model (Pu	: BPMN Business Process I (Public Diagram), ding to guidelines.			
	Discussion based on students comments on forum. Process and business technology in the context of decision making, Fundamentals of the concept modeling the decision - making areass.		s view he t of	2	analyze pr	c 3: Working in team to lyze process from chosen ness system.			2
	comm of bus	ssion based on student ents on forum. Formal iness technology, sequ m, BPMN maturity mo	ization 2 ence		Task 4: Working in teams for process modelling of chosen business system.			2	
	Discus comm inform	sion based on student ents on forum. Busine nation systems. Function nation Subsystems	s' ss	2	functions a	i: Excel: basic ons according to ples in multimedia rials.			2

	Discussion based on students' comments on forum. Information system models, decision-making and information systems.				Task 6: Excel: Advanced numerical data work according to examples in multimedia materials.			
	Discussion based on students' comments on forum. The basics of business intelligence. Application of business intelligence.				Task 7: Excel -automatizes the work and edits the input and output documents according to examples provided in multimedia materials.			
	Discussion based on students' comments on forum. Role of business intelligence in business. BI technology and tools.				Task 8: Excel – using functions for creating interactive sales document according to examples provided in multimedia materials.			
	Discussion based on students' comments on forum. Multi-dimensional data structure and the data mining  Discussion based on students' comments on forum. Basic features of mining tools. From data to information, OLAP system functionality  Discussion based on students' comments on forum. Modeling the dynamics of business systems;  System approach  Discussion based on students' comments on forum. System  Dynamics Methodology, Behavior patterns of business systems.  Discussion based on students' comments on forum. Final conclusions				Task 9: Excel – using functions for data and Pivot tables, according to examples provided in multimedia materials.			
					2 Task 10: Excel – Using functions to work with text and logical functions according to examples in multimedia format.			
					Task 11: Developing simple simulation model in Powersim, according to examples provided in multimedia format.  Task 12: Developing the model with time series.			
					Excel and	Connecting model with d work with nensional variables.		
Format of instruction	x lectures  □ seminars and workshops x exercises □ on line in entirety x partial e-learning □ field work			x independent assignments x multimedia □ laboratory □ work with mentor x participating in forum discussions x self-evaluation tests				
Student responsibilities								
Screening student work (name the proportion of ECTS credits for each activity so that the total number of	Class attendance Experimental work	attendance ECTS Experimental		1,3	3 ECTS	Practical training  Discussion 1 E		S
	Essay		Seminar essay			(Other)		
ECTS credits is			Oral exam	1	ECTS	(Other)		

equal to the ECTS value of the course)	Written exam		Project		(Other)			
Grading and evaluating student work in class and at the final exam	The course mode can be described as a continuous student follow-up method. Student accumulates points during the semester through different types of teaching activities. Minimum of 41% of points for each learning outcome and successfully solved self-evaluation tests are prerequisites for taking the oral as well as participating in at least 50% of all class meetings (25% for the part-time students). The oral exam verifies the authentication of student work done remotely as well as provides opportunity to gain a higher grade. Grades are earned according to the following: more than a total of 51% of grade points sufficient; more than a total of 65% of points score good; more than a total of 80% of points score very good; more than 95% of the points score excellent trough							
Required literature (available in the library and via other media)		٦	Number of copies in the library	Availability via other media				
	Learning Materials on Moodle system					Moodle.efst.hr		
Optional literature (at the time of submission of study programme proposal)	Thomsen, E.: OLAP Solutions – Building Multidimenzional Infromation Systems, Wiley, New York, 2002. Brumec J., Brumec S.: Modeliranje poslovnih procesa, Zagreb, 2016							
Quality assurance methods that ensure the acquisition of exit competences	<ul> <li>Monitoring attendance and performance of other student obligations (teacher)</li> <li>Supervision of teaching</li> <li>Analysis of the success of studies in all subject studies</li> <li>Student Survey on the Quality of Teachers and Teaching for Each Subject Study (UNIST, Center for Quality Improvement)</li> <li>The exam conducted by the course teacher examines all the learning outcomes of the subject. Periodic examination of the content of the exam is carried out on the basis of which the appropriateness of the method of checking the learning outcomes</li> </ul>							
Other (as the proposer wishes to add)								