NAME OF THE COURSE ERP systems									
Code	EUB21	7	Year of s	study					
Course teacher	Full Pro Garača FullProt Ćukušić,	fessor Željko , PhD fessor Maja PhD	Credits (ECTS)				5 EC	5 ECTS	
Associate teachers	Katarina spec. o Dragan oec. Full Pro	a Gudelj, univ. ec. Planjanin, mag. ifessor Maja	Type of instruction (number of hours)			L 26	S	E 26	F
Status of the course	Tea Mija Compu	ač, PhD Isory	Percenta	Percentage of					
	· ·		application						
	Cotos	COURSE	the conce			ndimela	montin	moder	
Course objectives	integrat modelir	omplete insignt into ed information syste ig and optimizing bu	the aspec ems. Deve Isiness pr	elop the ocesse	e ability of es.	students	to use t	he tools	for
Course enrolment requirements and entry competences required for the course	No prer	No prerequisites.							
Learning outcomes expected at the level of the course (4 to 10 learning outcomes)	 Analyze contemporary technical concepts of IT systems. Link the concept of business processes (re)engineering with ERP implementation into business organizations. Categorize aspects of selecting the right ERP system as a business choice. Link the choice of ERP implementation approach to ERP system design phase, i.e. with the choice of the type and the scope of the change. Identify the importance of ERP system security management and of the additional functionalities of ERP systems. Propose an optimized business process based on the existing process model and quantitative and qualitative analysis of the proposed improvements. 								
		Lecture	es			Exerci	ses:		
Course content broken down in detail by weekly class schedule (syllabus)	Week	Торіс		Hours		Торіс		Hours	
	1	Introduction. The def and the concept of E systems. Business ir of ERP systems.	finition ERP npact	2	Context and definition of Introduction platform.	nd concep of BPM. on to ARIS	otual S	2	
	2	Business processes approaches to organ changes.	and izational	2	Value of B Managem Cycle. Pre business p managem of busines Process m	Business F ent. BPM erequisites process ent. Ident es process nap (Porte	Process Life s for ification ses. er VAC)	2	

	3	Business Process Reengineering. Relation of ERP systems and reengineering.	2	ARIS platform. ARIS house. Organizational chart. Application system diagram.	2	
	4	ERP system as a business choice. Aspects of choosing an ERP system.	2	Process view and VACD (Value-added chain) diagram. Creating VACD High Level Diagrams, Types of Objects and Connections. Assignments (model levels, connectivity).	2	
	5	Multicriteria approach to ERP system selection.	2	EPC (Event Process Chain). Function and Event: Definitions and Conventions of Appointments. Process flow and logic operators. Modeling Rules. Process interface.	2	
	6	Designing ERP systems. Reengineering approaches.	2	Reflection on the task of previous exercises. Continuation with EPC modeling.	2	
	7	Selection of models, objects and processes of an ERP system.	2	BPMN definition. BPMN elements. Pool, lanes.	2	
	8	Test				
	9	Implementation of ERP systems. Approaches to implementation. Migration, stabilization and evaluation of ERP systems.	2	Time Analysis of Business Processes. Non-value- added processes. Lean modeling. 5 why. Redesigning Business Processes. Access redesign business processes. Business Process Reengineering.	2	
	10	Additional functionalities of ERP systems. Business Intelligence.	2	Functional view; AST model. Nested objects.	2	
	11	Managing relationships with suppliers and customers (SCM and CRM).	2	Ways to improve business processes.	2	

	12	Activity and the	/ based acc e ABC mod	counting lel.	2	Automati processe An exam business	on of business s. BPMS. Bizagi. ple of automating a process.	2		
	13	ERP sy based Integra system	ystems and accounting ating ABC v ns.	l activity J. vith ERP	2	Creating Process I Plan	an Automated mplementation	2	2	
	14	Risks a system protect	and securit ns. Measure t the ERP s	y of ERP es to ystem.	2	Process I Business Monitorin Process I Process i final assig	Monitoring - BAM - Process g, BPI - Business ntelligence. ntelligence. The gnments.	2		
	15	Test								
	x lectures				x independent assignments					
Format of	x exercises					x multimedia				
instruction	□ on line in entirety					x work with mentor				
	x partial e-learning					□ (other)				
Student responsibilities	The course work can be described as a method of continuous student progress evaluation since a model of accumulation of points has been formulated which enables the student to collect points through various activities. The goal is that every student collects sufficient number of points corresponding to a grade during the semester. In this model, a low result in one activity can be compensated by points in other activities and enabling students to decide how to allocate their efforts. Requirement for taking the test: 4 out of 7 assignments completed for the first test, and 4 out of 6 for the second test. Requirements for the exam are completed final assignment as well as participating in at least 50% of all class meetings (25% for the part-time students).									
Screening student work (name the proportion of ECTS credits for each activity so that the total number of ECTS credits is equal to the ECTS value of the course)	Class attendar	nce	1,7 ECTS	Research			Practical training			
	Experim work	nental		Report			Tests (Other)			
	Essay		0,5 ECTS	Seminar essay			Final assignment (Other)	1 ECT	S	
	Tests		1,6 ECTS	Oral exam			Workshop participation (Other)	0,2 EC	CTS	
	Written	exam		Project			(Other)			

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Grading and evaluating student work in class and at the final exam	Requirements for the exam exemption: a total of 71 points achieved overall based on the tests, assignments, and homework during the semester. Through additional engagement and active participation (for example by submitting critical review of the book chapters and coursework), the student can get up to 14 bonus points. In the case of exam exemption, the score is based on the total number of points where every five points give a higher grade. Threshold and related grades: 0-70 insufficient (1) 71-75 sufficient (2) 76-80 good (3) 81-85 very good (4) 86-100 excellent (5) If a student does not have enough points from the assessment activities during the semester, he or she is required to take the exam. The first part of the exam is a mandatory written test on which a maximum grade good can be achieved (3). The second part of the exam, which is not obligatory, is either a written or oral test with questions of an open, essay type on which a maximum of 10 points can be achieved					
Required literature (available in the library and via other media)	Title Željko Garača: ERP sustavi, Ekonomski fakultetSplit, Split , 2008.	Number of copies in the library 10	Availability via other media			
Optional literature (at the time of submission of study programme proposal)	 Laudon and Laudon (2020): Management Information Systems: Managing the Digital Firm, 17th Edition, Pearson. O'Leary, D. E.: Enterprise Resource Plannning Systems,. Cambridge University Press NY, 2005. Bosilj Vukšić, V., Kovačić, A.: Upravljanje poslovnim procesima, Sinergija, Zagreb,2004. Davis, R., Brabänder, E.: ARIS Design Platform / Getting Started with BPM, Springer-Verlag, London, 2007. Papers: Mijač, Tea; Jadrić, Mario; Ćukušić, Maja: In Search of a Framework for User- Oriented Data- Driven Development of Information Systems // Economic and business review : for Central and South-Eastern Europe, 21(2019), 3; 439-465 doi:10.15458/ebr.89 (međunarodna recenzija, članak, znanstveni) Jadrić, Mario; Ćukušić, Maja.: Međuovisnost karakteristika primjene informatičke tehnologije i unapređenja poslovnih procesa // Utjecaj 					

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	 organizacijskih varijabli na uspjeh programa unapređenja poslovnih procesa / Buble, Marin (ur.). Split : Ekonomski fakultet u Splitu, 2012. Str. 133-142. Alfirević, Nikša; Ćukušić, Maja; Skender, Dubravko: Application of Business Process Management in Higher Education: in Search of Strategic Performance // ECONOMIC DEVELOPMENT AND ENTREPRENEURSHIP IN TRANSITION ECONOMIES: Assessment of the last 25 years, going beyond the `transition` / Ateljević, J., Trivić, J. (ur.). Banja Luka : Faculty of Economics in Banja Luka, 2016. 578-590.
	Other publications: Business process modeling with ARIS Business Designer, official ARIS training material. Management of ARIS Projects with ARIS Business Architect, official ARIS training material.
Quality assurance methods that ensure the acquisition of exit competences	 Monitoring attendance and performance of other student obligations (teacher) Teaching Supervision (Vicedean for Teaching) Analysis of the success of studies in all subject studies (Vicedean for Teaching) Student Survey on the Quality of Teachers and Teaching for Each Subject Study (UNIST, Center for Quality Improvement) The exam conducted by the subject teacher examines all learning outcomes of the subject. Periodic examination of the content of the exam is conducted on the basis of which the appropriateness of the method of checking the learning outcomes (Vicedean for Teaching)
Other (as the proposer wishes to add)	