NAME OF THE COURSE	Business Information Systems					
Code	EUB211	Year of study	3			
Course teacher	Full professor Željko Garača Full professor Mario Jadrić, PhD	Credits (ECTS)	5			
Associate teachers		Type of instruction (number of hours)	L	S	E	F
			26		26	
Status of the course	Compulsory	Percentage of application of e-learning	40%			

COURSE DESCRIPTION

Course objectives	Get a comprehensive understanding of the concepts, approaches, methods and techniques needed to effectively use business information systems. Develop students' ability to work in the specific business information systems.
Course enrolment requirements and entry competences required for the course	There are no prerequisites for enrollment.
Learning outcomes expected at the level of the course (4 to 10 learning outcomes)	Based on the theoretical knowledge and practical skills critically evaluate the state and development of business information systems. 1. Define a system approach in the context of information systems. 2. Identify the importance of information systems and its subsystems in the business environment. 3. Differentiate the business decision support systems and e-business systems. 4. Identify the fundamental principles, methods and techniques for designing and modeling information systems. 5. Apply the basic functionalities of specific IT-supported business information system through business cases in production, sales and finance.

Course content broken down in detail by weekly class schedule (syllabus)

Week	Lectures		Exercises	
	Topic	Hours	Topic	Hours
1	Introduction. Information and society. Information as a resource.	2	**Assignment.** Introduction to Microsoft Dynamics NAV.	2
2	Contemporary business conditions and information systems.	2	**Assignment.** Working with Microsoft Dynamics NAV. User Interface. User Personalization.	2
3	Classification of systems. General systems theory. Cybernetics.	2	**Assignment.** Working with Microsoft Dynamics NAV. Use General Functions. Work with G/L Accounts.	2
4	System analysis. Business organization as a system	2	**Assignment.** Work with G/L Accounts. Master Data for the Sales and Purchase Process.	2
5	Models of information systems.	2	**Assignment.** Working with Microsoft Dynamics NAV. Manage Items. Process Purchases.	2

	6	Business information systems from a functional perspective. Functional application and integration.	2	**Assignment.** Working with Microsoft Dynamics NAV. Process Purchases.	2
	7	Managers and decision-making processes. Concept and types of decision support systems. Simulation modeling. Business Intelligence.	2	**Assignment.** Working with Microsoft Dynamics NAV. Add and View Dimensions. **Assignment.** Add and View Dimensions. Analysis and Reporting.	2
	8	Test			
	9	Principles and methods of information system design	2	**Assignment.** Working with Microsoft Dynamics NAV. Manufacturing process.	2
	10	Prototyping and the systems development life cycle.	2	**Assignment.** Financial Reporting. Financial Analysis. Business Analytics. Business Analytics.	2
	11	Concept and types of e-business.	2	**Assignment.** Recapitulation of the knowledge about MS NAV. Students as team members play roles in a company that uses Microsoft Dynamics NAV.	2
	12	Technological infrastructure of e-business.	2	**Assignment.** Team presentation of business results supported by Microsoft Dynamics NAV.	2
	13	Concept and types of models. Object orientation.	2	**Assignment**. Advanced EXCEL. Import data from Microsoft Dynamics NAV. Analyze Microsoft Dynamics Data in Microsoft Excel. Use PivotTables.	2
	14	Process modeling. Data modeling. Presentations of final assignment.	2	**Assignment**. Students as team members play roles in a company that uses EXCEL for business analysis. Team presentation of business results supported by Microsoft Dynamics NAV.	2
	15	Test			

Format of instruction	x lectures ☐ seminars and workshops x exercises ☐ *on line* in entirety ☐ partial e-learning ☐ field work	x independent assignments x multimedia ☐ laboratory ☐ work with mentor x teamwork assignment (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 all assignments and 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 attendance	1,7 ECTS	Research		Practical training	
	Experimental work		Report		Teamwork assignment (Other)	
	Essay	0,5 ECTS	Seminar essay		Final assignment (Other)	1 ECTS
	Tests	1,6 ECTS	Oral exam		Workshop participation (Other)	0,2 ECTS
	Written exam		Project		(Other)	
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 10 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. Up to 10 points can be achieved in the oral part of the exam. 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 final exam. The final exam is organized in a written and/or oral way. The questions in the written part of exam are of the essay-type. The maximum grade good (3) can be achieved in the written part of the exam. The oral part of the exam is optional and carries a maximum of 10 points.					

Required literature (available in the library and via other media)	**Title**	**Number of copies in the library**	**Availability via other media**
	Željko Garača: Poslovni informacijski sustavi, Ekonomski fakultet Split, Split, 2008.	11	
	Introduction to Microsoft Dynamics™ NAV, Microsoft Official Training Materials for Microsoft Dynamics ™ for NAV 2016.		Moodle
	TRADE IN MICROSOFT DYNAMICS™ NAV, Microsoft Official Training Materials for Microsoft Dynamics ™ for NAV 2016.		Moodle
	INVENTORY MANAGEMENT IN MICROSOFT DYNAMICS NAV, Microsoft Official Training Materials for Microsoft Dynamics ™ for NAV 2016.		Moodle
	Business Intelligence for Information Workers in Microsoft Dynamics™, Microsoft Official Training Materials for Microsoft Dynamics ™ for NAV 2016.		Moodle

Optional literature (at the time of submission of study programme proposal)	Books (selected chapters): • • Laudon, Kenneth C., Laudon, Jane P.: Management information systems: managing the digital firm, Sixteenth edition, New York, NY: Pearson, 2020. • Jadrić, M. i Ćukušić, M., "IT sigurnost", Srce, Zagreb, 2015. Other sources: Online tečaj "IT sigurnost" (Jadrić, M. i Ćukušić, M., 2015). http://www.srce.unizg.hr/vijesti/tecaj-it-sigurnost-od-sada-i-u-online-obliku/objav2016-10-24
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)	