

UNIVERSITY OF ECONOMICS – VARNA
FACULTY OF ECONOMICS
DEPARTMENT OF INDUSTRIAL BUSINESS AND LOGISTICS

Adopted by the FC (record № 11/ 25. 04. 2024)

Adopted by the DC (record № 9/ 16. 04. 2024)

ACCEPTED BY:

Dean:

(Assoc. Prof. Denka Zlateva, PhD)

SYLLABUS

SUBJECT: BUSINESS INFORMATION SYSTEMS

DEGREE PROGRAMME: Business and Management; BACHELOR'S DEGREE

YEAR OF STUDY: 3; SEMESTER: 5

TOTAL STUDENT WORKLOAD: 240 hours; incl. curricular 60 hours

CREDITS: 8

DISTRIBUTION OF WORKLOAD ACCORDING TO THE CURRICULUM

<i>TYPE OF STUDY HOURS</i>	WORKLOAD, hours	TEACHING HOURS PER WEEK, hours
CURRICULAR: incl. <ul style="list-style-type: none">• LECTURES• SEMINARS /LAB. EXERCISES	30 30	2 2
EXTRACURRICULAR	180	-

Prepared by:

1.
(Prof. Silvia Parusheva, PhD)

2.
(Assoc. Prof. Yanka Aleksandrova, PhD)

Head of department
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I. ANNOTATION

The importance of Business Information Systems (BIS) for the digitization of business processes in modern companies is particularly important and strategic. BIS are complex and complex systems integrating diverse IT. For this reason, users must have the necessary knowledge about BIS, as well as their functioning. This also defines the objectives of the current course. First, the main theoretical concepts of BIS are considered. The main stages and activities of the process of their development are presented; some development approaches are considered. Emphasis is placed on databases. Enterprise Resource Planning systems (ERP systems) and Customer Relationship Management systems (CRM systems) are considered as leading representatives of integrated BIS.

The holding of discussions and the development of coursework is foreseen. Training in the discipline helps to form digital and mathematical competencies of students, thanks to which they develop abilities to work actively for the successful implementation and use of BIS in companies and organizations.

II. THEMATIC CONTENT

№	TITLE OF UNIT AND SUBTOPICS	NUMBER OF HOURS		
		L	S	L.E.
Theme 1. Basic concepts of BIS		6	2	
1.1	Importance of BIS and mechanism of operation	2		
1.2	Components of BIS	4	2	
Theme 2. Classification of BIS		6	2	
2.1	BIS classification criteria	2	1	
2.2	Types of BIS	4	1	
Theme 3. BIS development approaches		6	2	
3.1	Methodologies for developing BIS	2	1	
3.2	BIS Life Cycle	2	1	
Theme 4. Information Base of BIS		6	10	
4.1	Database concepts	4	7	
4.2	Data warehouse concepts	2	3	
Theme 5. Integrated BIS		6	14	
5.1	Customer Relationship Management Systems (CRM Systems)	3	8	
5.2	Enterprise Resource Management Systems (ERP Systems)	3	6	
Total:		30	30	

III. FORMS OF CONTROL:

№	TYPE AND FORM OF CONTROL	Number	extra-curricular, hours
1.	Midterm control		
1.1.	Control work	1	30
1.2.	Coursework development	1	50
1.3.	Defense of course work	1	20
	Total midterm control:	3	100
2.	Final term control		
2.1.	Examination (test)	1	80
	Total final term control:	1	80
	Total for all types of control:	4	180

IV. LITERATURE

REQUIRED (BASIC) LITERATURE:

1. Laudon, K., Laudon, J. Traver, C.G. Essentials of Management Information Systems. Pearson, 15 Ed., 2024.
2. Beynon-Davies, P. Business Information Systems. Red Globe Press, 2020.

RECOMMENDED (ADDITIONAL) LITERATURE:

1. Baltzan, P. Business driven information systems. McGraw Hill Education, 2020.
2. Schneider, J. Valacich, C., Hashim, M. Information Systems Today: Managing in the Digital World. Pearson Education, 2022.