

UNIVERSITY OF ECONOMICS - VARNA
FACULTY OF INFORMATICS
DEPARTMENT „INFORMATICS“

ACCEPTED BY:

Rector:

(Prof. Dr. Plamen Iliev)

SYLLABUS

SUBJECT: „BUSINESS INFORMATION SYSTEMS“;

DEGREE PROGRAMME: „Accounting“; BACHELOR`S DEGREE

YEAR OF STUDY: 4; SEMESTER: 7;

TOTAL STUDENT WORKLOAD: 180 h.; incl. curricular 60 h.

CREDITS: 6

DISTRIBUTION OF WORKLOAD ACCORDING TO THE CURRICULUM

<i>TYPE OF STUDY HOURSE</i>	WORKLOAD, h.	TEACHING HOURS PER WEEK, h
CURRICULAR:		
incl.		
• LECTURES	30	2
• SEMINARS (lab. exercises)	30	2
EXTRACURRICULAR	120	-

Prepared by:

1.
(Assoc. Prof. Nadezhda Filipova)

2.
(Assoc. Prof. Silvia Parusheva)

Head of department:
„Informatics“ (Prof. Dr. Vladimir Sulov)

I. ANNOTATION

Business information systems (BIS) have strategic importance for the competitive performance of modern companies. They are complex, highly automated, dynamic systems, entailing the application and integration of various information technologies. Consequently, today's users must understand the concepts of BIS and the approaches to their development. This namely determines the targets of the course. First of all, some theoretical essentials of BIS are covered. The main activities and stages in the systems development, and some approaches such as the life cycle model, outsourcing, prototyping, buying a package, etc., are presented. Data bases are of a particular interest in the course. Some modern trends in BIS are also presented.

The students will be challenged to take part in discussions, and they will also face working in teams on course works.

II. THEMATIC CONTENT

No. by row	TITLE OF UNIT AND SUBTOPICS	NUMBER OF HOURS		
		L	S	L.E.
	TOPIC 1. BASIC CONCEPTS OF BIS: strategic role; mechanism of functioning, components, modern IT	6	3	
	TOPIC 2. CLASSIFICATION OF BIS: classification criteria; major types of systems	3	9	
	TOPIC 3. DEVELOPMENT APPROACHES: development methodologies; life cycle approach; alternative approaches	6	3	
	TOPIC 4. INFORMATION BASE: data bases concepts; data warehouses	6	6	
	TOPIC 5. MODERN TRENDS IN BIS	6	6	
	TOPIC 6. SECURITY ISSUES: security threats and policies	3	3	
	Total:	30	30	

III. FORMS OF CONTROL:

No. by row	TYPE AND FORM OF CONTROL	№	extra-curricular, h.
1.	Midterm control		
1.1.	Course work	1	40
1.2.	Presentation on a predefined theme	1	40
Total midterm control:		2	80
2.	Final term control		
2.1.	Examination (test)	1	40
Total final term control:		1	40
Total for all types of control:		3	120

IV. LITERATURE

REQUIRED (BASIC) LITERATURE:

1. Laudon, K. and Laudon, J. Management Information Systems: Managing the Digital Firm. Pearson, 2015, 14/E.

RECOMMENDED (ADDITIONAL) LITERATURE:

1. Kroenke, D. Using MIS. 3/E, Prentice Hall, 2010.
2. Wigand, R., P. Mertens. Introduction to Business Information Systems. Berlin: Springer, 2003.
3. Manolopoulos, Y., et.al. Enterprise Information Systems. Springer-Verlag Berlin Heidelberg, 2008.