

UNIVERSITY OF ECONOMICS - VARNA
MASTER DEGREE CENTER
DEPARTMENT OF INFORMATICS

Adopted by the FC (record №8 / 05.03.2020)

Adopted by the DC (record №7 / 28.02.2020)

ACCEPTED BY:

Dean:

(prof. Vladimir Sulov, PhD)

SYLLABUS

SUBJECT: BUSINESS MANAGEMENT SYSTEMS (MS DYNAMICS NAVISION)

DEGREE PROGRAMME: Computer Science; MASTER'S DEGREE

YEAR OF STUDY: 5 for same field graduates, 6 for other field graduates;

SEMESTER: 10 for same field graduates, 12 for other field graduates

TOTAL STUDENT WORKLOAD: 210 hours; incl. curricular 60 hours

CREDITS: 7

DISTRIBUTION OF STUDENT WORKLOAD ACCORDING TO THE CURRICULUM

<i>TYPE OF STUDY HOURS</i>	WORKLOAD, hours	TEACHING HOURS PER WEEK, hours
CURRICULAR:		
incl.		
• LECTURES	30	2
• SEMINARS / LAB. EXERCISES	30	2
EXTRACURRICULAR	150	-

Prepared by:

1.
(prof. Julian Vasilev, PhD)

2.
(chief assist. prof. Miglena Stoyanova, PhD)

Head of department

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I. ANNOTATION

Nowadays a lot of companies use Enterprise Resource Planning (ERP) systems. The discipline “Business management systems (MS Dynamics Navision)” provides a framework for getting new skills in working with ERP systems. The practical aspects of this course are illustrated by MS Dynamics Navision. Since this system is quite popular, students having deep background in ERP systems and MS Dynamics Navision can easily find a job as business consultants, ERP designers, beta testers in software companies and merchandisers in trade companies.

II. THEMATIC CONTENT

№	TITLE OF UNIT AND SUBTOPICS	NUMBER OF HOURS		
		L	S	L.E.
Theme 1. ERP SYSTEMS		6		
1.1.	ERP concepts	2		
1.2.	Functionality	2		
1.3.	Existing ERP systems	1		
1.4.	Integration aspects	1		
Theme 2. MS DYNAMICS NAVISION		12	30	
2.1.	Concepts, features, technological model	2	6	
2.2.	Module “Sales and marketing”	1	6	
2.3.	Module “Purchase”	3	6	
2.4.	Module “Financial management”	3	6	
2.5.	Module “Manufacturing”	3	6	
Theme 3. MANAGEMENT OF ERP SYSTEMS		6		
3.1.	Criteria for choosing an ERP system	1		
3.2.	Support and maintenance of ERP systems	2		
3.3.	Setup of ERP systems	2		
3.4.	Software upgrades	1		
Theme 4. TENDENCIES IN ERP SYSTEMS		6		
4.1.	E-logistics	1		
4.2.	International logistics	1		
4.3.	ERP systems for reverse logistics	1		
4.4.	Business analysis with ERP systems	2		
4.5.	Key performance indicators (KPIs) within ERP systems	1		
Total:		30	30	

III. FORMS OF CONTROL:

№	TYPE AND FORM OF CONTROL	Number	extracurricular, hours
1.	Midterm control		
1.1.	Individual task 1 to be solved within MS Dynamics Navision	1	30
1.2.	Individual task 2 to be solved within MS Dynamics Navision	1	30
	Total midterm control:	2	60
2.	Final term control		
2.1.	Defence of individual task 1	1	45
2.2.	Defence of individual task 2	1	45
	Total final term control:	2	90
	Total for all types of control:	4	150

IV. LITERATURE

REQUIRED (BASIC) LITERATURE:

1. Vasilev, J. and others. Business Management Systems (MS Dynamic Navision). Developing web applications with the .NET Platform. Microsoft Information Systems and Application Security. Varna, Publishing house "Science and economics", e-book, 2015.
2. Microsoft Dynamics Navision. www.microsoft.com

RECOMMENDED (ADDITIONAL) LITERATURE:

1. Coyle, J. et al. Managing supply chains. 2013. South-Western Cengage Learning, p. 693 (Available at the library of University of Economics Varna, code of the book: B75082).
2. David, P. International logistics, Cicero Books, 2013 (Available at the library of University of Economics Varna, code of the book: C7169).