

**UNIVERSITY OF ECONOMICS - VARNA**  
**FACULTY OF INFORMATICS**  
**DEPARTMENT OF INFORMATICS**

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Adopted by the FC (record № 9/24.04.2024)  
Adopted by the DC (record № 10/16.04.2024)

**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: 6 for other field graduates; SEMESTER: 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>	<b>WORKLOAD, hours</b>	<b>TEACHING HOURS PER WEEK, hours</b>
CURRICULAR: incl. <ul style="list-style-type: none"><li>• LECTURES</li><li>• SEMINARS / LAB. EXERCISES</li></ul>	30 30	2 2
EXTRACURRICULAR	150	-

Prepared by:

1. ....  
(Prof. Julian Vasilev, PhD)
2. ....  
(Chief assist. prof. Miglena Stoyanova, PhD)

Head of department  
of Informatics: .....  
(Prof. Julian Vasilev, PhD)

## **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.

According to the recommendation of the Council of the European Union of May 22, 2018, the following key competences are applied and developed during training in the discipline:

- mathematical competence, competence in the field of exact sciences. Developing the ability to think algorithmically; Acquisition of skills for working with ERP systems.
- digital competence. Acquiring skills to work with specialized software for business.

The discipline ends with an exam.

## **II. THEMATIC CONTENT**

№	TITLE OF UNIT AND SUBTOPICS	NUMBER OF HOURS		
		L	S	L.E.
<b>Theme 1. ERP SYSTEMS</b>		<b>6</b>		
1.1.	ERP concepts	2		
1.2.	Functionality	2		
1.3.	Existing ERP systems	1		
1.4.	Integration aspects	1		
<b>Theme 2. MS DYNAMICS NAVISION</b>		<b>12</b>	<b>30</b>	
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	
<b>Theme 3. MANAGEMENT OF ERP SYSTEMS</b>		<b>6</b>		
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		
<b>Theme 4. TENDENCIES IN ERP SYSTEMS</b>		<b>6</b>		
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		
<b>Total:</b>		<b>30</b>	<b>30</b>	

### **III. FORMS OF CONTROL:**

<b>№</b>	<b>TYPE AND FORM OF CONTROL</b>	<b>Number</b>	<b>extracurricular, hours</b>
<b>1.</b>	<b>Midterm control</b>		
1.1.	Personal task in MS Dynamics Navision	1	38
1.2.	Personal task in MS Word	1	38
1.3.	Presentation and defense of both personal tasks	1	37
<b>Total midterm control:</b>		<b>3</b>	<b>113</b>
<b>2.</b>	<b>Final term control</b>		
2.1.	Examination (test)	1	37
<b>Total final term control:</b>		<b>1</b>	<b>37</b>
<b>Total for all types of control:</b>		<b>4</b>	<b>150</b>

### **IV. LITERATURE**

#### **REQUIRED (BASIC) LITERATURE:**

1. Educational resources in the eLearn platform.
2. Luszczak, A. (2023) Using Microsoft Dynamics 365 for Finance and Operations. Springer, p. 491.
3. Baludin A. (2022) Administrating Microsoft Dynamics 365 Business Central Online A Practical Guide to SaaS Administration and Migration from Your On-premise Business Central Environments to the Cloud. Packt Publishing, p. 234.

#### **RECOMMENDED (ADDITIONAL) LITERATURE:**

1. Caserio, C., Trucco, S. Enterprise Resource Planning and Business Intelligence Systems for Information Quality. Springer, 2018.
2. Rabindra, S. Mastering Microsoft Dynamics NAV 2016, Packt Publishing, 2017.
3. 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.