

<i>Cím</i>	<b>ERP SYSTEMS</b>
<i>Tárgykód</i>	<b>IVB187AN</b>
<i>Heti óraszám: ea/gy/lab</i>	<b>2/0/2</b>
<i>Kreditpont</i>	<b>5</b>
<i>Szak(ok)/ típus</i>	<b>Mérnökinformatikus BSC</b>
<i>Tagozat</i>	<b>Full time</b>
<i>Követelmény</i>	<b>Semester mark</b>
<i>Meghirdetés féléve</i>	<b>Fall</b>
<i>Előzetes követelmény(ek)</i>	
<i>Oktató tanszék(ek)</i>	<b>Department of Systems and Software Technologies</b>
<i>Tárgyfelelős és oktatók</i>	<b>Zsolt Ercsey dr.</b>

#### TANTÁRGY CÉLKITŰZÉSE

During this course students will get familiar with the characteristics of ERP systems, understand the problems of system integration, and gain insight to some basic applications. They will get to know the IT expectations related to the everyday life of a corporation, i.e. business operation and processes.

#### TARTALMA

##### *Rövid leírás:*

Students study their subjects focusing on IT relevant issues both from theoretical as well as from practical viewpoints. After graduation, students will become integral parts of a company as employees and they will have to understand the general business cases and to solve them after they reformulated these problems into IT problems. Integrated business management systems, ERP systems consider corporations globally and they model and handle most of the business processes specifically and in detail. This will be illustrated via examples and case studies. Students will get know how of the BizAgi Process Modeler, a process mapping software to create and optimize business workflows, Kulcs-Soft's invoicing and inventory solutions and Microsoft Navision modules and services.

##### *Topics*

1. Corporate knowledge what IT students should know.

2. Classification of IT systems.
3. The path of ERP development. ERP market.
4. Business processes. BPMN, BPD.
5. BizAgi Process Modeler.
6. BPD case studies.
7. Kulcs-Soft.
8. ERP selection and implementation.
9. Some IT related issues of environmental product charge and supply chain management.
10. MS Navision

## SZÁMONKÉRÉSI ÉS ÉRTÉKELÉSI RENDSZERE

### *Részvétel:*

Attending is required according to the "TVSZ" code. Should the student miss the classes held by the Microsoft experts, -5% deduction per occasion will be considered at the evaluation.

### *Aláírás feltétele:*

Submission of 2 homework and a successfully completed test. Please note that the final evaluation of the test will consider the deduction mentioned above.

### *Vizsga:*

### *Az érdemjegy kialakításának módja:*

The following is an option, not obligatory: one topic may be selected per student, and a document has to be prepared and submitted before the deadline. This document, based on its content, will positively influence the final evaluation as credit for the student.

A test is to be completed. Tests are related to the uploaded documents plus all information what was discussed during the classes.

Please note that the final evaluation of the test will consider both the deduction as well as the credit mentioned above. Final evaluation: 0-50% failing the course / 51-70% 2 / 71-80% 3 / 81-90% 4 / above 90% 5.

## KÖTELEZŐ ÉS AJÁNLOTT IRODALOM

- [1.] Business Process Model and Notation (BPMN), 2011. OMG Document Number: formal/2011-01-03.  
Standard document URL: <http://www.omg.org/spec/BPMN/2.0>
- [2.] Bizagi Modeler. User guide. Bizagi, 2018.  
[http://download.bizagi.com/docs/modeler/3300/en/Modeler\\_user\\_Guide.pdf](http://download.bizagi.com/docs/modeler/3300/en/Modeler_user_Guide.pdf)
- [3.] A. Drogin. Microsoft Dynamics NAV Development Quick Start Guide: Get up and running with Microsoft Dynamics NAV, December 27, 2018. ISBN-13: 978-1789612769
- [4.] R. Lestina. Navision & dynamics nav user guide: volume 2: general guide for all users. ISBN-13: 978-0615944913

ÜTEMEZÉS

		SZORGALMI IDŐSZAK, OKTATÁSI HETEK															VIZSGAIDŐSZAK									
2018/2019. II. FÉLÉV		1.	2.	3.	4.	5.	6.	7.	8.	9.	10.	11.	12.	13.	14.	15.	1.	2.	3.	4.	5.					
Előadás tematika sorszáma		1	2-3		4-5-6		7-8-9			Sz ün et	10		10						Aláírás, félévközi jegy már nem pótolható							
Zárhelyi dolgozat																										
Zárthelyi pótlás, javítás																										
Otthoni munka	Kiadás / választás																									
	beadási határidők																									
Egyebek	Beszámolók																									
Aláírás / Félévközi jegy megadása																a										
Vizsgák tervezett időpontjai																										

2019. 08. 13.

Ercsey Zsolt  
tantárgyfelelős