COURSE SYLLABUS AND COURSE REQUIREMENTS
ACADEMIC YEAR 2022/2023 I. SEMESTER FALL

Course title	*ERP Systems*
Course Code	IVB187AN
Hours/Week: le/pr/lab	2/0/1
Credits	5
Degree Programme	Computer Scince Engineering BSC
Study Mode	*full time course*
Requirements	mid-term grade
Teaching Period	autumn
Prerequisites	
Department(s)	System and Software Technology
Course Director	Zsolt Ercsey Dr.
Teaching Staff	*Etelka Szendrői Dr.*

COURSE DESCRIPTION

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.

SYLLABUS

1. GOALS AND OBJECTIVES

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.

2. COURSE CONTENT

	TOPICS
LECTURE AND LABORATORY PRACTICE	*Corporate knowledge what IT students should know.* *Classification of IT systems.* *The path of ERP development. ERP market.* *Business processes. BPMN, BPD.* *BizAgi Process Modeler.* *BPD case studies.* *Kulcs-Soft.* *ERP selection and implementation.* *Some IT related issues of environmental product charge and supply chain management.* *MS Navision*

DETAILED SYLLABUS AND COURSE SCHEDULE

LECTURE

week	**Topic**	**Compulsory reading; page number (from … to …)**	**Required tasks (assignments, tests, etc.)**	**Completion date, due date**
1.	Course introduction, orientation	…	…	…
2.	Corporate knowledge fundamentals			
3.	Classification of IT Systems			
4.	ERP market. The path of ERP development			
5.	Business processes. BPMN, BPD			
6.	BizAgi Process Modeler			
7.	BPD case studies			
8.	Kulcs's Soft			
9.	ACADEMIC HOLIDAY			
10.	ERP selection and implementation			
11.	Some IT related issues of environmental product charge and Supply chain management			
12.	MS Navision			
13.	MS Navision			
14.	Test		TEST	
15.	Retake test		RETAKE test	

PRACTICE, LABORATORY PRACTICE

week	**Topic**	**Compulsory reading; page number (from … to …)**	**Required tasks (assignments, tests, etc.)**	**Completion date, due date**
1.	Introduction, orientation			
2.				
3.	Classification of IT Systems, Online shopping systems			
4.				
5.	Kulcs' Soft system		Kulcs Soft homework	Due date: 7th week
6.				
7.	BizAgi system		Bizagi homework	Due date: 9th week
8.				
9.	ACADEMIC HOLIDAY			
10.				
11.	Naision Part1.		Alice documentation	Due date: 13th week
12.				
13.	Navision Part2			
14.				
15.	Navision Part3			

3. ASSESSMENT AND EVALUATION

(Neptun: Instruction/Subjects/Subject Details/Syllabus/Examination and Evaluation System)

ATTENDANCE

In accordance with the Code of Studies and Examinations of the University of Pécs, Article 45 (2) and Annex 9. (Article 3) a student may be refused a grade or qualification in the given full-time course if the number of class absences exceeds 30% of the contact hours stipulated in the course description.

Method for monitoring attendance *(e.g.: attendance sheet / online test/ register, etc.)*

attendance sheet

ASSESSMENT

Course resulting in mid-term grade *(PTE TVSz 40§(3))*

Mid-term assessments, performance evaluation and their ratio in the final grade *(The samples in the table to be deleted.)*

Type	Assessment	Ratio in the final grade
Kulcs's Soft homework	*max. 5 points*	*15 %*
BizAgi homework	*max 3 points*	*10 %*
Alice documentation homework	*max. 5 points*	*15 %*
Test	*max 100%*	*60 %*

Opportunity and procedure for re-takes (PTE TVSz 47§(4))

The specific regulations for improving grades and resitting tests must be read and applied according to the general Code of Studies and Examinations. E.g.: all tests and assessment tasks can be repeated/improved at least once every semester, and the tests and home assignments can be repeated/improved at least once in the first two weeks of the examination period.

Retake test is scheduled to the 15th week..

Grade calculation as a percentage

based on the aggregate performance according to the following table

Course grade	Performance in %
excellent (5)	85 % …
good (4)	70 % ... 85 %
satisfactory (3)	55 % ... 70 %
pass (2)	40 % ... 55 %
fail (1)	below 40 %

The lower limit given at each grade belongs to that grade.

4. SPECIFIED LITERATURE

COMPULSORY READING AND AVAILABILITY

[1.] The material of the course will be published via neptun.

RECOMMENDED LITERATURE AND AVAILABILITY

[2] 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

[3] Bizagi Modeler. User guide. Bizagi, 2018. http://download.bizagi.com/docs/modeler/3300/en/Modeler_user_Guide.pdf

[4] A. Drogin. Microsoft Dynamics NAV Development Quick Start Guide: Get up and running with Microsoft Dynamics NAV, December 27, 2018. ISBN-13: 978-1789612769

[5] R. Lestina. Navision & dynamics nav user guide: volume 2: general guide for all users. ISBN-13: 978-0615944913