

<b>Institute of Cyber-physical Systems</b>			2023/24/1 semester			
Name of the subject:	Code of the subject:	Credits:	Weekly hours:			
				lec	sem	lab
Enterprise information systems	NIXV10EBNE	4	full-time	2	0	2
Responsible person for the subject:			Classification:			
Subject lecturer(s): Katalin Sarkadi						
Prerequisites:						
Way of the assessment:			Exam			
<b>Course description</b>						
Goal:	The goal of this course is to give students a basic understanding of the working methods and communication processes of a trading company. For this, students create a project work together, where their task is to create a database set and simulate the work of an integrated system.					
Course description:	Understanding what are data and information, databases, system service functions, enterprise groups, roles of the partners, internal processes. Separation of functional subsystems like customer and supplier orders, resource-handling, financial planning. The information flow connected to business processes of a profitable company. History of EIS					

<b>Lecture schedule</b>	
Education week	Topic
1.	Meaning of Enterprise, Information, System / Creating groups for the project work
2.	Database, system service functions // Basic datasets
3.	Information flows, enterprise's groups / Basic dataset of the groups
4.	External partners, Financial models / Basic processes
5.	Practical exam (calculations)
6.	The steps of running the enterprise - Sales / Processes
7.	The steps of running the enterprise - Procurement / Processes
8.	The steps of running the enterprise - Finance / Processes
9.	The steps of running the enterprise - Items and Stock / Processes
10.	Simulation of processes
11.	Simulation of processes
12.	Practical exam (calculations) repeat OR Theoretical exam
13.	History of EIS
14.	The Students present their project work
<b>Mid-term requirements</b>	
Conditions for obtaining a mid-term grade/signature	During the semester, the students work together on a project work where their task is to simulate a trading company's Informations system. Moreover, each lesson starts with a short quiz. A minimum requirement is defined for each off the subtasks, while students must also create a documentation of their work, and pass both the Practical and Theoretical exam to get a final mark.
<b>Assessment schedule</b>	
Education week	Topic
5.	Practical / Theory / Presentation of the projectwork
12.	Practical / Theory / Presentation of the projectwork
14.	Practical / Theory / Presentation of the projectwork
<b>Method used to calculate the <i>mid-term grade</i> (to be filled out only for subjects with mid-term grades)</b>	

<b>Type of the replacement</b>	
Type of the replacement of written test/mid-term grade/signature	In the first week of finals, students can still present their finished project work. They can also try to pass the Practical or Theoretical exam again.
<b>Type of the exam</b> (to be filled out only for subjects with exams)	
Students get their mark based on the quizzes, the Project work, and the two exams (Practical and Theoretical). If results from these do not make up for a passing marks during the semester, they can redo the Theoretical exam.	
<b>Calculation of the exam mark</b> (to be filled only for subjects with exams)	
<b>Final grade calculation methods:</b>	
90%+ - 5 77%+ - 4 64%+ - 3 50%+ - 2 50% and under - 1	
<b>References</b>	
Obligatory:	<a href="https://prezi.com/_mmwsse6lfyj/enterprise-information-systems/?present=1">https://prezi.com/_mmwsse6lfyj/enterprise-information-systems/?present=1</a>
Recommended:	
Other references:	