Óbuda University John von Neumann Faculty of Informatics	Institute for Cyber-Physical Systems

Name and code: Enterprise Information Systems NIXVI0EBNE	**Credits*: 4*

Computer Science and Engineering BSc programme	2022

Subject lecturers: Sarkadi Katalin

Prerequisites (with code):	Databases NIXAB0EB_E		
Weekly hours:	Lecture: 2	Seminar: 0	Lab hours:2	Consultation: 0
Way of assessment:	Exam		

Course description:

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.

Lecture schedule:

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.	Students present their project work

Midterm requirements

During the semester, students work together on a project work where their task is to simulate a trading company's Information system. Moreover, each lesson starts with a short quiz. A minimum requirement is defined for each of 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.

Tests	
Week	**Topic**
5.	Calculations
12.	Calculations repeat OR Multiple choice (theory)
14.	Presentation of the project work

Type of replacement
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.

Type of exam
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 passing marks during the semester, they can redo the Theoretical exam.

References
Mandatory:
https://prezi.com/_mmwsse6lfyj/enterprise-information-systems/?present=1
Recommended: