OSTIM TECHNICAL UNIVERSITY
FACULTY OF ENGINEERING

COURSE SYLLABUS FORM
2022-2023 SPRING

END 382 Enterprise Digital Transformation Application							
Course Name	**Course Code**	**Semester**	**Theory**	**Application**	**Laboratory**	**Credit**	**ECTS**
Enterprise Digital Transformation Application	END 382	6	2	1	0	2,5	4

Course Language	Turkish
Course Status	Elective
Course Level	Bachelor's Degree
Learning and Teaching Techniques	Lecture, Questions/Answers, Case Study.

Course Objective

Enterprise Resource Planning (ERP) software is a system that provides joint data sharing between different departments by gathering the departments of an institution such as finance, human resources, production, sales and marketing under a single software system. Companies that purchase this software have to ensure that their business processes are defined in the software. For this purpose, they receive services from consultancy firms.
The main aim of the course; To analyze the processes that need to be followed in order to install the ERP software in a company and make it ready for use.

Learning Outcomes:

Students who are successful in the course;
- Can make the necessary business analyzes before adapting the ERP software to the company,
- Can do other processes in the process of adapting the ERP software to the company.

Course Content

Within the scope of the course, a general introduction of the ERP software will be made, how to make process analyzes before the installation of this software in companies and other activities during the installation process will be examined. With the applications and projects to be done in the course, students will be able to comprehend all the processes more effectively.

Weekly Topics and Related Preparation Studies		
Week	**Topic**	**Note**
1	Enterprise Resource Management Concept	
2	Software Design, Process Analysis and Business Process Model Notation (BPMN)	
3	Relational Database (RDBM) Design	
4	User Interface Design (Mockup and Wireframe)	
5	Software Design Applications - I	
6	Software Design Applications - II	
7	Software Design Applications - III	
8	**Midterm Exam**	
9	Enterprise Resource Management Field Expertise - Human Resources Business Processes	
10	Enterprise Resource Management Field Expertise - Finance Business Processes	
11	Enterprise Resource Management Field Expertise - Logistics Business Processes	
12	ERP Project Management and Productization in the Field of Informatics	
13	Sample Project Application	
14	Sample Project Application	
15	Sample Project Application	
16	**Final Exam**	

Textbook(s)/References/Materials:

Textbook: Rucker B. and, Freund J. (2019) Real-Life BPMN (4th Edition), Independently Published.

Harrington J. L., (2009) Relational Database Design Clearly Explained (2nd Edition), Morgan Kaufmann Publishers

Introduction to User Interface Design Through Wireframes - Balsamiq

Assessment		
Activity	**Number**	**Contribution (%)**
Attendance		
Laboratory		
Application		
Field Study		
Course specific internship		
Quiz	**4**	**20**
Homework		
Presentation		
Project		
Report		
Seminar		
Preparation time for Midterm Exams / Midterm Jury	**1**	**30**
Preparation time for Final Exam / Final Jury	**1**	**50**
	Total	**100**

.

Course Learning Outcomes and Program Qualifications Relation							
Nu	**Learning Outcomes**	**Contribution**					
		1	**2**	**3**	**4**	**5**	
1	Ability to make necessary business analyzes before adapting the ERP software to the company					X	
2	Ability to perform other processes in the adaptation process of ERP software to the company					X	

ECTS/Workload Table			
Activity	**Number**	**Time (Hour)**	**Total Workload**
Course hours (Including exam week: 16 x total weekly course hours)	16	3	48
Laboratory			
Application			
Field Study			
Course specific internship			
Out of Class Study Time (Before Quiz)	10	2	20
Presentation/Seminar Preparation			
Project			
Report			
Homework			
Preparation time for Midterm Exams / Midterm Jury	1	20	15
Preparation time for Final Exam / Final Jury	1	35	20
Total Workload	**(103/25 = 4,12)**		**103**