

Course Description					
Name	Code	Semester	T+A Hour	Credit	ECTS
ENTERPRISE RESOURCE PLANNING	MIS3212173	Spring Semester	3+0	3	5
Prerequisites Courses					
Recommended Elective Courses					
Language of Instruction	English				
Course Level	First Cycle (Bachelor's Degree)				
Course Type	Elective				
Course Coordinator	Assist.Prof. Recep ÖZSÜRÜNÇ				
Name of Lecturer(s)	Lect.Dr. Mustafa Hakan SALDI				
Assistant(s)					
Aim	Introduce students to concepts, principles, and state-of-the-art methods in successfully integrating Enterprise Resource Planning (ERP) systems into existing enterprise architectures.				
Course Content	This course contains; An introduction and overview of the Enterprise Level and Study of ERP Concepts, Business and IT Integration Trends, Reviewing Project Planning and Management concepts, Case #1: To be determined, Life Cycle concepts: 1) development of life cycle logic. 2) traditional ERP lifecycle 3) accelerated ERP lifecycle, Enterprise process modeling concepts. Enterprise process modeling tools and techniques, ERP Implementation Challenges and Success Factors, Business Process Reengineering (BPR and ERP) ERP FIT and Misfits (compliance) Analysis, ERP Requirements Management, ERP Project Team Selection, Development and Project Communication, Change Management and Control ERP Configuration and Control, Data transportation and Data Cleaning, Quality assurance and ERP Risk Management, ERP method engineering.				
Course Learning Outcomes			Teaching Methods	Assessment Methods	
1. Will be able to describe the tools and techniques used to model the process view of organizations as well as their models.				A	
1.1. Models the process view of organizations.					
1.2. Defines the tools and techniques used for the model.					
2. Will be able to apply process modeling techniques in one or more modeling environments.				A	
2.1. List the process modeling techniques.					
2.2. Applies one or more process modeling techniques.					
3. Will be able to define the key technical terminology in corporate information systems applied in different ERP products and development methods.			2, 9	A	
3.1. Applies different ERP products and development methods.					
3.2. Defines key technical terminology in enterprise information systems.					
4. Will be able to define the important differences between configuring and managing major ERP applications (such as SAP R / 3 and Oracle / PeopleSoft / Sibel) and problems specific to these applications.			14, 9	A	
4.1. Defines major ERP applications (such as SAP R/3 and Oracle / PeopleSoft / Sibel).					
4.2. Identifies issues specific to major ERP applications (such as SAP R/3 and Oracle/PeopleSoft/Sibel).					
5. Will be able to analyze an existing architecture and perform an effective gap analysis before an ERP implementation			19, 4, 9	A	
5.1. Can analyze the current architecture.					
5.2. Performs an effective gap analysis before ERP implementation.					
6. Will be able to transform and match enterprise architecture resources to contemporary Enterprise Architecture.			4, 9	A	
6.1. It transforms its enterprise architecture resources into contemporary Enterprise Architecture.					
6.2. It matches enterprise architecture resources and contemporary Enterprise Architecture.					
7. Will be able to explain the life cycle stages of any ERP application.			9	A	
7.1. Explains all ERP applications.					
7.2. Explain the life cycle stages of ERP applications.					
Teaching Methods	14: Self Study Method, 19: Brainstorming Technique, 2: Project Based Learning Model, 4: Inquiry-Based Learning, 9: Lecture Method				
Assessment Methods	A: Traditional Written Exam				
Lecture Schedule					
Sequenc e	Topics	Preliminary Preparation			
1	An introduction and overview of the Enterprise Level and Study of ERP Concepts.				
2	Business and IT Integration Trends				
3	Reviewing Project Planning and Management concepts				
4	Case #1: To be determined				
5	Life Cycle concepts: 1) development of life cycle logic. 2) traditional ERP lifecycle 3) accelerated ERP lifecycle				
6	Enterprise process modeling concepts. Enterprise process modeling tools and techniques				
7	ERP Implementation Challenges and Success Factors				
8	Business Process Reengineering (BPR and ERP) ERP FIT and Misfits (compliance) Analysis				
9	ERP Requirements Management				
10	ERP Project Team Selection, Development and Project Communication				
11	Change Management and Control ERP Configuration and Control				
12	Data transportation and Data Cleaning				
13	Quality assurance and ERP Risk Management				
14	ERP method engineering				
Evaluation Methods		Weight(%)			

Midterm Exam	40
General Exam	60

Resources

Monk, E. F., & Wagner, B. J. (2013). Concepts in enterprise resource planning. Course Technology, Cengage Learning.

Ganesh, K., Mohapatra, S., Anbuudayasankar, S. P., & Sivakumar, P. (2014). Enterprise resource planning: fundamentals of design and implementation. Springer. Aktaş, R., Koçak, A., & Acar, V. (2010). Enterprise resource planning: Theory and computer-aided application scenarios. Gazi Kitabevi.