

Course Description					
Name	Code	Semester	T+A Hour	Credit	ECTS
ENTERPRISE RESOURCE PLANNING	ULY3257540	Spring Semester	3+0	3	5
Prerequisites Courses					
Recommended Elective Courses					
Language of Instruction	Turkish				
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	The main objective of this course is to enlighten students about the concepts, principles, and state-of-the-art methods in successfully integrating Enterprise Resource Planning (ERP) systems into extant enterprise architectures.				
Course Content	This course contains; Introduction and Overview and review of Enterprise Level and ERP Concepts,Business and IT Integration Trends,Review of Project Planning & Management concepts,Case #1: To be Determined,Life Cycle concepts: 1) development life cycle rationale. 2) traditional ERPlife cycles 3) accelerated ERP life cycles,Enterprise process modeling concepts.Enterprise process modeling tools and techniques,ERP Implementation Challenges and Success Factors,Business Process Reengineering (BPR and ERP)ERP Fits and Misfits Analysis,ERP Requirements Management,ERP Project Team Selection, Development and Project Communications,Change Management & ControlERP Configuration and Control,Data migration and Data Cleansing,Quality Assuranceand ERP Risk Management,ERP Method Engineering.				
Course Learning Outcomes			Teaching Methods	Assessment Methods	
1. will be able to identify process views of organizations and tools and techniques used to model both as-is and to-be models.			2, 9	A	
1.1. Models process view of organizations.					
1.2. Describe the tools and techniques used for the model.					
2. will be able to apply the process modeling techniques in one or more modeling environments.			2, 9	A	
2.1. Lists process modeling techniques.					
2.2. Implement one or more process modeling techniques.					
3. will be able define key technical terminology in enterprise information systems as they apply in different ERP products and development methods			2, 9	A	
3.1. Implements different ERP parts and development methods.					
3.2. Defines the key technical terminology in enterprise information systems.					
4. will be able to identify key differences between the major ERP applications (such as SAP R/3, and Oracle/PeopleSoft/Sibel) and issues specific to these applications their configuration and management.			14, 9	A	
4.1. Defines the main ERP applications (such as SAP R / 3 and Oracle / PeopleSoft / Sibel).					
4.2. Defines issues specific to major ERP applications (such as SAP R / 3 and Oracle / PeopleSoft / Sibel).					
5. will be able to analyze a current architecture and perform an effective gap analysis before an ERP implementation			19, 4, 9	A	
5.1. Analyzes an existing architecture.					
5.2. Makes an effective gap analysis before ERP application.					
6. will be able to map enterprise architectural resources to a contemporary Enterprise Architecture mapping tool			4, 9	A	
6.1. Transforms corporate architectural resources into contemporary Enterprise Architecture.					
6.2. Matches institutional architectural resources and contemporary institutional architecture.					
7. will able to articulate the life cycle stages of any ERP implementation.			9	A	
7.1. Explains all ERP implementations.					
7.2. Explain the life cycle stages of ERP implementations.					
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					
Sequence	Topics	Preliminary Preparation			
1	Introduction and Overview and review of Enterprise Level and ERP Concepts				
2	Business and IT Integration Trends				
3	Review of Project Planning & Management concepts				
4	Case #1: To be Determined	Case related documents should be reviewed.			
5	Life Cycle concepts: 1) development life cycle rationale. 2) traditional ERPlife cycles 3) accelerated ERP life cycles				
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 Fits and Misfits Analysis				
9	ERP Requirements Management				
10	ERP Project Team Selection, Development and Project Communications				
11	Change Management & ControlERP Configuration and Control				
12	Data migration and Data Cleansing				
13	Quality Assuranceand ERP Risk Management				
14	ERP Method Engineering				
Evaluation Methods		Weight(%)			
Midterm Exam		40			

General Exam

60

Resources

1) Aktaş, R., Koçak, A., & Acar, V. (2010). Kurumsal kaynak planlaması: Teori ve bilgisayar destekli uygulama senaryoları. Gazi Kitabevi.

2) Monk, E., & Wagner, B. (2012). Concepts in enterprise resource planning. Cengage Learning. Software: Students will be required to use one or more Enterprise modeling and Infrastructure management tools. ArcMP is a locally developed web-based and cross- platform tool to help identify, model and manage enterprise infrastructural resources. Accordingly students will need access to a reasonably equipped computer with high speed internet access.