



AYDIN ADNAN MENDERES UNIVERSITY COURSE INFORMATION FORM

Course Title		System Analysis and Design							
Course Code		AEK212		Course Level		Short Cycle (Associate's Degree)			
ECTS Credit	3	Workload	75 (Hours)	Theory	2	Practice	0	Laboratory	0
Objectives of the Course		Students with this course; will be able to form a project that can be applied in the sector with all details by using the professional knowledge gained. System analysis and design aims to enable a system in the energy sector to meet with the appropriate components and to enable the system to continue its existence in a more efficient, effective and quality way.							
Course Content		• System Analyst Duties and Capabilities, • Preliminary examination and feasibility analysis • System Analysis: Data Collection • System Analysis: Data Modeling • System Design • Interface Design • System Implementation, CASE and New Process • System Maintenance and Support • Project Presentations							
Work Placement		N/A							
Planned Learning Activities and Teaching Methods				Explanation (Presentation), Demonstration, Individual Study					
Name of Lecturer(s)									

Assessment Methods and Criteria

Method	Quantity	Percentage (%)
Midterm Examination	1	40
Final Examination	1	70

Recommended or Required Reading

1	Sistem Analizi ve Tasarımı Yazar: Oya Kalıpsız
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Week	Weekly Detailed Course Contents	
1	Theoretical	Sistem Analizi ve Tasarımına Giriş I
2	Theoretical	Sistem Analizi ve Tasarımına Giriş II
3	Theoretical	Sistem Yaklaşımı I
4	Theoretical	Sistem Yaklaşımı II
5	Theoretical	Bilgi Sistemleri Planlama
6	Theoretical	Bilgi Sistemleri Analizi
7	Theoretical	Bilgi Sistemleri Kurulması
8	Intermediate Exam	Mid-term exam
9	Theoretical	Malzeme İhtiyaç Sistemi ve Modellemesi
10	Theoretical	Yapısal Modelleme
11	Theoretical	Sistem Mimarisi ve Kullanıcı Arayüzü Tasarımı
12	Theoretical	Dokümantasyon, Test ve Kurma
13	Theoretical	İzleme ve Değerlendirme
14	Theoretical	Proje Planlama ve Yönetimi
15	Final Exam	Final exam

Workload Calculation

Activity	Quantity	Preparation	Duration	Total Workload
Lecture - Theory	13	1	2	39
Assignment	7	1	1	14
Individual Work	5	1	1	10
Midterm Examination	1	5	1	6



Final Examination	1	5	1	6
Total Workload (Hours)				75
[Total Workload (Hours) / 25*] = ECTS				3
*25 hour workload is accepted as 1 ECTS				

Learning Outcomes

1	
2	
3	
4	
5	

Programme Outcomes (Alternative Energy Sources Technology)

1	To have knowledge about basic science and technology.
2	To have knowledge about basic energy and alternative energy sources.
3	To have knowledge about basic electrical and electronic laws.
4	To have knowledge about the installation and operation of energy facilities.
5	Learning the methods of recycling of waste and use of energy.
6	To have experience in energy generation and project design.

Contribution of Learning Outcomes to Programme Outcomes 1:Very Low, 2:Low, 3:Medium, 4:High, 5:Very High

	L1	L2	L3	L4	L5
P1	5	5	5	5	5
P2	3	3	3	3	3
P4		4			4
P6		4			4

