

Akdeniz University



F. Course Descript	tion								
Course Name		Computer Programming							
Course Language		Turkish							
Course Level		Associate Degree (x) First Cycle (x)			Second Cycle () Third Cycle				
Mode of Delivery									
Formal (x)		Distan	ce Lea	arning (x)	Others (x)				
Course	е Туре	Course Unit Code			Course Code				
Required ()	Elective (x)		ENF	=	111				
Theory (Hours)	Application (Hours)	Total Semester			National Credits	ECTS			
2	0	2	Fall	/ Spring /Summer	2	4			
Course Objectives	The aim of this course is learning properties of general programming languages, algorithm consept, control and loop consepts, data structures, branching, multi-way decision statement, arrays, subprogram concept, visual programming consept.								
Course Content		Programming, Algorithm, Software							
Pre-requisites									
Recommended El	ective Courses								
Course Learning Outcomes		Students should be able to: 1) Write algorithms and prepare flowcharts 2) Know basic programming terms and concepts 3) Write a program with a programming language							
Course Coordinat	or	Instructor Uğur ERCAN							
Course Lecturer(s		Department Academic Members							
		Teach	ing N	/lethods					
(x) Oral Presentat	ion	() Case Study			(x) Computer assisted				
() Discussion	() Drama			(x) Laboratory					
(x) Problem Solvin	ng	() Invention			(x) Demonstration - Movia				
() Experiment	(x) Project ()								
Course Notes / Te	extbooks	Yayıncılık 2. Algoritma G	Yayıncılık Algoritma Geliştirme ve Veri Yapıları, Rifat Çölkesen, Papatya Yayıncılık						
		Evalua	ation	System					
() Direct Conversi	on System				Relative Assessment				
		Requirements		ments	Number	Percentage of Grade			
			Attendance			10 %			
			Quizzes			45.0/			
Measurement and Evaluation		Midterm Exam(s)			1	15 %			
	tem	Homework(s) / Seminar(s)			3	10 %			
		Term Assignment(s) / Project			1	15 %			
		Application (Laboratory, Atelier , Field Work, Problem Based Learning- PBL Reports) Others ()							
		Final Exam 1 5							
	Total 100 %								



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	Distribution of Topics By Weeks							
Weeks	Topics	Preparatory Work						
	Introduction to Programming							
1	1.1. Basic computer concepts							
	1.2. Program, programmer, programing language							
	2. Introduction to Programming							
2	2.1. Properties of general programming languages							
2	2.2. Classification of programming languages							
	2.3. Software development steps							
	2.4. Errors, warnings							
	Basic Programming Concepts 3.1. Algorithm concept							
3	3.2. Algorithm writing forms							
	3.3. Flow charts							
	Basic Programming Concepts							
4	4.1. Control and loop Concepts							
	Algorithm Practices							
_	5.1. Sequential algorithm							
5	5.2. Algorithm with loops							
	5.3. Algorithm with conditional statements							
	6. Introduction a Programming Language	Cotus Editor Drogram of						
6	6.1. Description of a programming language	Setup Editor Program of						
	6.2. Description of development environment	Programming Language						
7	6.3. Data structures							
,	6.4. Basic input-output commands							
8	Midterm							
9	6.5. Conditional structures							
10	6.6. Branching							
10	6.7. Loops							
	6.8. Writing an example with loop, condition and							
11	branching							
	6.9. Multi-way decision statement							
12	6.10. Arrays							
13	6.11. Subprogram and function concept							
14	7. Visual programming concept							
15	7.1. Visual programming applications							



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	Course Learning Outcomes*										
Program Outcomes	LO1	LO2	LO3	LO4	LO5	LO6	LO7	LO8	LO9	LO10	Total
PO 01- A basic, theoretical and practical knowledge about basic information technologies.	2	5									7
PO 02- Information about design and development of hardware and software solutions.											
PO 03- Constructing and implementing identified problems and models at using use of information technology and applying of basic solution suggestions.	4	4	3								11
PO 04- Developing software specifications defined which components.			5								5
PO 05- Following current developments of information and communication technologies by awareness of lifelong learning necessity.											
PO 06- Communicating by published and visual materials developed information and communication technologies.											
PO 07- Having algorithmic though and using planning approach on their applications.	5	3	3								11
PO 08- Carrying professional and ethical responsibility having professional ethics awareness about IT applications. Taking necessary cautions about information security		2.4			111.1			I Paka			

* 1: Low 2: Lowest 3: Average 4: High 5: Highest

ECTS of the Course Based on Learning, Teaching and Evaluation Activities (Average Hours)							
Activities	Number	Preparatory Work	Duration	Total Workload			
Theory	14	0	2	28			
Using Library and Internet	14	0	2,482142857	34,75			
Homework(s) / Seminar(s)	2,464286	0	2,821428571	6,952806122			
Project	0,357143	0	0,892857143	0,318877551			
Presentation	0,107143	0	0,482142857	0,051658163			
Applied Course	6,392857	0	4,196428571	26,82716837			
Quizzes	1,017857	0	0,375	0,381696429			
Midterm Exam-1	1	0	4,178571429	4,178571429			
Midterm Exam-2	0	0	0,892857143	0			
Midterm Exam-3	0	0	0,607142857	0			
Final Exam	1	0	4,428571429	4,428571429			
Other Learning Activities	14	0	1,660714286	23,25			
	129,1393495						
Round	4,304644983						