



AYDIN ADNAN MENDERES UNIVERSITY COURSE INFORMATION FORM

Course Title		Algorithms and Programming							
Course Code		BPR181		Course Level		Short Cycle (Associate's Degree)			
ECTS Credit	2	Workload	50 (Hours)	Theory	2	Practice	0	Laboratory	0
Objectives of the Course		This course is designed to teach algorithm and coding concepts.							
Course Content		Algorithms, Flowchart, Coding tools, Variables and constants, Input/output operations, Operators, decision algorithms, loop controls,unidimensional arrays, multi-dimensional arrays, Void sub-programmes, Non-void sub-programmes							
Work Placement		N/A							
Planned Learning Activities and Teaching Methods				Explanation (Presentation), Experiment, Demonstration, Discussion, Case Study, Individual Study, Problem Solving					
Name of Lecturer(s)									

Assessment Methods and Criteria

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

Recommended or Required Reading

1	Visual Studio 2011, M.Mastar, Kodlab Yayınevi.
2	C#.net ile Nesne Tem. Prog. Giriş, Ö.Sebetci, Gazi Yayınevi.
3	Introduction to programming and algorithms Soner Çelikkol Murathan Yayın

Week	Weekly Detailed Course Contents	
1	Theoretical	.Algorithms
2	Theoretical	Flowchart
3	Theoretical	Coding tools
4	Theoretical	Variables and constants
5	Theoretical	Input/output operations
6	Theoretical	Operators
7	Theoretical	Decision algorithms
8	Theoretical	Loop control
9	Intermediate Exam	Midterm exam
10	Theoretical	Loop control
11	Theoretical	One-dimensional arrays
12	Theoretical	Multi-dimensional arrays
13	Theoretical	Void sub-programmes
14	Theoretical	Non-void sub-programmes
15	Theoretical	Non-void sub-programmes
16	Final Exam	Final exam

Workload Calculation

Activity	Quantity	Preparation	Duration	Total Workload
Lecture - Theory	14	0	2	28
Term Project	1	0	4	4
Laboratory	5	0	1	5
Reading	3	0	1	3
Midterm Examination	1	4	1	5



Final Examination	1	4	1	5
Total Workload (Hours)				50
[Total Workload (Hours) / 25*] = ECTS				2
*25 hour workload is accepted as 1 ECTS				

Learning Outcomes

1	Introduction to coding and designing program flowchart
2	Control statements, array operations and working with sub-programmes
3	Learns the concept of everyday life like algorithms, with examples from everyday life.
4	Understands the components and their uses.
5	Learns the basic properties of Visual Basic.

Programme Outcomes (Office Management and Executive Assistantship)

1	The ability of using information and communication tools and the other vocational tools and techniques.
2	The ability of planning and applying vocational process.
3	The ability of communicating in foreign language.
4	The ability of vocational self-confidence.
5	The ability of entrepreneurship.
6	The ability of using theoretical field information at the practice.
7	The ability of managing a process that provides the needs.
8	The ability of working in groups including interdisciplinary.
9	The ability of defining problems and solving them in vocational practice.
10	The awareness of vocational ethic and responsibility.
11	The awareness of necessity of life-long learning and the ability to make come true this.
12	The ability of having information about sectoral problems.
13	The ability of understanding vocational legal regulation and applying.
14	The ability of having an effective communication.
15	Social, cultural and social responsibilities of the grip, and the ability to apply to adopt.

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	4				
P2		4			
P6			4	5	
P8					4

