AYDIN ADNAN MENDERES UNIVERSITY
COURSE INFORMATION FORM

Course Title	Computer Programming								
Course Code	BK420		Couse Level	First Cycle (Bachelor's Degree)					
ECTS Credit	2	Workload	46 *(Hours)*	Theory	1	Practice	1	Laboratory	0
Objectives of the Course	to teach logic of algorithm and simple programming computer								
Course Content	This course aim to teach computers, computer programming, terminology of computer science and creating logical construction. And also teach to history of computer science, term of software and hardware, and relation of them. Main aim of course is understanding of problem, creating steps of solving, writing program and tracking errors in program.								
Work Placement	N/A								
Planned Learning Activities and Teaching Methods	Explanation (Presentation), Demonstration, Discussion, Case Study, Individual Study, Problem Solving								
Name of Lecturer(s)	Assoc. Prof. Ümit ÖZYILMAZ								

Assessment Methods and Criteria		
Method	Quantity	Percentage (%)
Midterm Examination	1	40
Final Examination	1	70

Recommended or Required Reading	
1	code.org
2	http://www.codecademy.com
3	http://mebk12.meb.gov.tr/meb_iys_dosyalar/42/03/175302/dosyalar/2013_02/13012444_programlamayagiris.pdf
4	http://www.hakankör.com.tr/Algoritma.pdf
5	Vatansever, F., 2011. Algoritma Geliştirme ve Programlamaya Giriş, Seçkin Yayıncılık.
6	Taşbaşı, M., 2003. Qbasic. Altaş Yayınları.
7	Tungut, H. B.,2013. Algoritma ve Programlama Mantığı, Kodlab Yayınları.
8	http://www.uozyilmaz.com/files/programlama.pdf

Week	Weekly Detailed Course Contents	
1	Theoretical	Introduction,Collecting student’s expectations,Explaining aim of course,Explaining course programmeExplaining course structureExplaining course’s tools and sourcesDetection of student’s interests on course and knowledge level by chatting
2	Theoretical	History of computers and programming language.Terminology
3	Theoretical	Logic of algorithm
	Practice	Exercises
4	Theoretical	Variables, constants. Mathematic formulas in computer programming. Coding firs program.
	Practice	Exercises
5	Theoretical	Printing data on screen and teach how to input data for calculation by user.
	Practice	Execises
6	Theoretical	Comment lines, location of cursor
	Practice	Exercises
7	Practice	Execises
	Intermediate Exam	Exam
8	Theoretical	Conditions in proramming
	Practice	Exercises
9	Theoretical	Loops in programming
	Practice	Exercises
10	Theoretical	Common mathematical functions
	Practice	Exercises
11	Theoretical	Common alpha numeric functions
	Practice	Exercises

12	Theoretical	Converting numeric to alphanumeric or alphanumeric to numeric. Error tracking and solving
	Practice	Exercises
13	Theoretical	Exercises
	Practice	Exercises
14	Practice	Example. Creating whole programming (basic)
15	Practice	Example. Creating whole programming (more complicated)
16	Final Exam	Exam

Workload Calculation

Activity	Quantity	Preparation	Duration	Total Workload
Lecture - Theory	14	0	1	14
Lecture - Practice	14	1	1	28
Midterm Examination	1	1	1	2
Final Examination	1	1	1	2
			Total Workload (Hours)	46
			[Total Workload (Hours) / 25*] = **ECTS**	2

**25 hour workload is accepted as 1 ECTS*

Learning Outcomes

1	History of computers, computer programming, and terminology
2	Operations with alpha numeric and numeric variables
3	Flow chart (algorithm)
4	Writing program and running without error
5	Conditions and loops

Programme Outcomes *(Horticulture)*

1	Ability to examine agricultural problems under the light of basic science, mathematics, and agriculture knowledge
2	Ability to plan and apply in different agricultural systems in horticultural crop plants
3	To constitute and realize breeding programmesaccording to market demands
4	Ability to propagate any kinds of stock materials in horticultural crop plants
5	Ability ot transfer of modern technologies to production
6	Ability to have a consciousness of quality in production, storage, and evaluation in horticultural crop plants (To measure, evaluate, and manage different quality parameters)
7	To think analytically of protecting, providing transfer to future, and having responsibility to environment of all plant materials belong to horticultural crop plants area
8	Ability to search, think analytically, reach to knowledge, and obtain solution for solving of agricultural problems (Project, homework, thesis, summer training)
9	Ability to be aware of agricultural problems, to follow them, and to communicate own ideas of these subjects by verbal and written ways (Turkish, social course)
10	To be able to perform in a teamwork
11	Ability to work independently, give decision, and Express own thoughts by occupational-ethic values verbal and written ways in horticultural crop plants
12	Ability to think creatively, innovatively, and analytically, to comprehend the need of lifelong learning, be a part of a related subjects in a web of communication, and to develop by social means

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

	L1	L2	L3	L4	L5
P7	5	5	4	4	4
P8	5	5	4	4	5
P9	5				