COMPUTER PROGRAMMING AND VBA APPLICATION

1	Course Title:	COMPUTER PROGRAMMING AND VBA APPLICATION
2	Course Code:	EKO2004
3	Type of Course:	Compulsory
4	Level of Course:	First Cycle
5	Year of Study:	2
6	Semester:	4
7	ECTS Credits Allocated:	7.00
8	Theoretical (hour/week):	3.00
9	Practice (hour/week):	0.00
10	Laboratory (hour/week):	0
11	Prerequisites:	
12	Language:	Turkish
13	Mode of Delivery:	Face to face
14	Course Coordinator:	Doç. Dr. ARZU EREN ŞENARAS
15	Course Lecturers:	
16	Contact information of the Course Coordinator:	arzueren@uludag.edu.tr Uludağ University Faculty of Economics and Administrative Sciences A Block 16059 Nilüfer/Bursa
17	Website:	
18	Objective of the Course:	The aim of this course is to be able to use the students Visual Basic Application .
19	Contribution of the Course to Professional Development:	Students produce more effective solutions to complex problems with VBA programming.
20	Learning Outcomes:	

		1	To be able to understand the programming logic
		2	To be able to create Algorithms
		3	To be able to create Flow Charts
		4	To be able to apply the If structure
		5	To be able to apply the case structure
		6	To be able to develop loop
		7	To be able to develop code in VBA
		8	
		9	
		10	

21	Course Content:	

Course Content:	

Week	Theoretical	Practice
1	Introduction to Programming Logic	
2	Preparation of Algorithm, Flow Charts	
3	Introduction to VBA Development in Excel	
4	Subprograms, Defining variables	
5	Message Box, Input Box	
6	If structure	
7	Nested if structure	

8	Case Structure	
9	For loop	
10	nested for loops, for each loop	
11	Do loop, do while	
12	Indexed variables	
13	VBA Application Examples	
14	VBA Application Examples	

22	Textbooks, References and/or Other Materials:	Hayrettin Kemal Sezen, 2010. Excel & VBA (2010-2013) Kullanım ve Programlama, Sentez Basım Yayım
23	Assesment	

TERM LEARNING ACTIVITIES	NUMBER	WEIGHT
Midterm Exam	1	40.00
Quiz	0	0.00
Home work-project	0	0.00
Final Exam	1	60.00
Total	2	100.00
Contribution of Term (Year) Learning Activities to Success Grade	40.00	
Contribution of Final Exam to Success Grade	60.00	
Total	100.00	

24   ECTS / WORK LOAD TABLE

Activites	Number	Duration (hour)	Total Work Load (hour)
Theoretical	14	3.00	42.00
Practicals/Labs	0	0.00	0.00
Self study and preperation	0	0.00	0.00
Homeworks	3	25.00	75.00
Projects	0	0.00	0.00
Field Studies	0	0.00	0.00
Midterm exams	1	30.00	30.00
Others	0	0.00	0.00
Final Exams	1	60.00	60.00
Total Work Load			237.00
Total work load/ 30 hr			6.90
ECTS Credit of the Course			7.00

25	**CONTRIBUTION OF LEARNING OUTCOMES TO PROGRAMME QUALIFICATIONS**

	PQ1	PQ2	PQ3	PQ4	PQ5	PQ6	PQ7	PQ8	PQ9	PQ10	PQ11	PQ12	PQ13	PQ14	PQ15	PQ16
ÖK1	2	3	2	3	3	2	3	2	2	3	4	1	0	0	0	0
ÖK2	3	3	3	4	2	2	3	3	3	3	3	2	0	0	0	0
ÖK3	3	3	4	2	3	3	1	2	3	3	2	2	0	0	0	0
ÖK4	3	3	4	2	3	2	3	3	3	3	1	3	0	0	0	0

ÖK5	2	3	3	2	3	3	2	2	3	3	2	2	0	0	0	0
ÖK6	3	3	1	2	4	3	4	2	3	3	3	3	0	0	0	0
ÖK7	3	2	3	2	2	3	3	4	2	2	2	4	0	0	0	0

LO: Learning Objectives   PQ: Program Qualifications

Contribution Level:	1 very low	2 low	3 Medium	4 High	5 Very High