VISUAL PROGRAMMING II

1	Course Title:	VISUAL PROGRAMMING II	
2	Course Code:	BLPZ244	
3	Type of Course:	Compulsory	
4	Level of Course:	Short Cycle	
5	Year of Study:	2	
6	Semester:	4	
7	ECTS Credits Allocated:	4.00	
8	Theoretical (hour/week):	3.00	
9	Practice (hour/week):	0.00	
10	Laboratory (hour/week):	1	
11	Prerequisites:	None	
12	Language:	Turkish	
13	Mode of Delivery:	Face to face	
14	Course Coordinator:	Öğr.Gör. EBRU YENİMAN	
15	Course Lecturers:	Meslek Yüksekokulları Yönetim Kurullarının görevlendirdiği öğretim elemanları.	
16	Contact information of the Course Coordinator:	Öğr. Gör. Ebru Yeniman Yıldırım (ebruyeniman@gmail.com, 02242942369, Uludağ Üniversitesi Teknik Bilimler MYO, 16059)	
17	Website:		
18	Objective of the Course:	The main objective of the Visual Programming II Course is to develop the applications related with the database. Database connection methods, SQL query commands, tabulation and reporting concepts sould be given and the studies of the project development should be exercised. The problem solving skills should be upskilled by developing the programs.	
19	Contribution of the Course to Professional Development:	Have the competence to create projects using program codes by using advanced software tools in the visual software language.	
20	Learning Outcomes:		
		1	Will be able to develop advanced applications.
		2	Will prepare the installation package for the developed applications.
		3	Will create own special components.
		4	Will make data query and updates by connecting local and remote database.
		5	Will use basic and advanced components by studying on the forms.
		6	Will add tables and reports to the developed programs.
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		10	
21	Course Content:		

Course Content:

Week	Theoretical	Practice
1	Advanced Properties of the Components	Practice in Computer Lab.
2	Menu Design, MDI Forms	Practice in Computer Lab.

3	OLE-Basic Principles and Windows Media Objects	Practice in Computer Lab.
4	SQL Connection with the Program	Practice in Computer Lab.
5	Database Interaction (Visual Data Manager and DbGrid)	Practice in Computer Lab.
6	Creation of a Database in Code	Practice in Computer Lab.
7	Database Interaction (Data Environment)	Practice in Computer Lab.
8	Database Interaction (Ado Data Control)	Practice in Computer Lab.
9	Repeating courses and midterm exam	Practice in Computer Lab.
10	Tabulation Control Object (MsFlexGrid)	Practice in Computer Lab.
11	Tabulation Control Object (MsFlexGrid)	Practice in Computer Lab.
12	Data Report Designer	Practice in Computer Lab.
13	Object Oriented Programming	Practice in Computer Lab.
14	Studies of the Application Projects	Practice in Computer Lab.
22	Textbooks, References and/or Other Materials:	Ebru Yeniman Yıldırım, Görsel Programlama Visual Basic, Nobel Yayınevi, Kasım 2007. ISBN 978-605-395-040-0.
23	Assesment	

TERM LEARNING ACTIVITIES	**NUMBER**	**WEIGHT**
Midterm Exam	1	20.00
Quiz	0	0.00
Contribution of Term (Year) Learning Activities to Success Grade	40.00	
Contribution of Final Exam to Success Grade	60.00	
Measurement and Evaluation Techniques Used in the Undergraduate Education Regulation:	Measurement and evaluation is carried out according to	

24 ECTS / WORK LOAD TABLE

Activites	Number	Duration (hour)	Total Work Load (hour)
Theoretical	14	3.00	42.00
Practicals/Labs	14	1.00	14.00
Self-study and preparation	14	2.00	28.00
Homeworks	1	10.00	10.00
Projects	1	5.00	5.00
Field Studies	0	0.00	0.00
Midterm exams	1	8.00	8.00
Others	0	0.00	0.00
Final Exams	1	10.00	10.00
Total Work Load			117.00
Total work load/ 30 hr			3.90
ECTS Credit of the Course			4.00

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	5	5	4	5	3	4	4	1	1	3	1	0	0	0	0	0
ÖK2	3	5	4	5	5	4	4	1	1	3	1	0	0	0	0	0
ÖK3	3	5	4	5	5	4	4	1	1	3	1	0	0	0	0	0
ÖK4	3	5	4	5	5	4	4	1	1	3	1	0	0	0	0	0

ÖK5	3	5	4	5	5	4	4	1	1	3	1	0	0	0	0	0
ÖK6	5	5	4	5	5	4	4	1	1	3	1	0	0	0	0	0

LO: Learning Objectives PQ: Program Qualifications

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