	ADVAN		PROGRAMMING						
1	Course Title:	ADVANC	ED PROGRAMMING						
2	Course Code:	BIL2108							
3	Type of Course:	Compuls	ory						
4	Level of Course:	First Cyc	•						
5	Year of Study:	2							
6	Semester:	4							
7	ECTS Credits Allocated:	3.00							
8	Theoretical (hour/week):	2.00							
9	Practice (hour/week):	2.00							
10	Laboratory (hour/week):	0							
11	Prerequisites:	-							
12	Language:	Turkish							
13	Mode of Delivery:	Face to f	ace						
14	Course Coordinator:	Prof. Dr.	ADEM UZUN						
15	Course Lecturers:								
16	Contact information of the Course Coordinator:		Üyesi Ömer Uysal al@uludag.edu.tr						
17	Website:	www.uza	ktanogren.ademuzn.com						
18	Objective of the Course:	fundame	ose of this course is to give teacher candidates ntal information about developing software applications database and reporting using design principals and coding ate interface objects.						
19	Contribution of the Course to Professional Development:		s them to use the theories and applications specified in the of the course in their professional practice.						
20	Learning Outcomes:								
		1	Uses detailed properties, events and methods of basic objects.						
		2	Designs effective interface						
		3	Manages constraints and validation of data input						
		4	Identifies basic concepts of database programming						
		5	Developes database applications using different programming approaches						
		6	Prepares suitable reports from database						
		7							
		8							
		9							
		10							
21	Course Content:								
	Course Content:								
Week			Practice						
1	Basic controls in Visual Basic .NET		Using detailed properties, methods and events of Button, Textbox, RadioButton, Checkbox						
2	Basic controls in Visual Basic .NET		Using detailed properties, methods and events of Listbox and Combobox						
3	Working with forms in Visual Basic .		Using properties, methods and events of form object						
4	Interface design in Visual Basic .NE	Γ	Discussing effective interface design principals						

5	Rest									An example of restriction an validation										
6		ntroduction to database programming in /isual Basic .NET								Definition of basic concepts of database programming. Discussing the purpose of database programming										
7		eveloping database applications in Visual asic .NET using drag and drop									Applications of developing database applications using drag and drop									
8	Usin	ing databinding in Visual Basic .NET									ons of (databin	ding							
9	Usin	g da	taset o	design	er in '	Visual	Basic	.NET	Ap	plicati	ons of (dataset	design	er						
10	Usin 2010		taset	design	ier in '	Visual	Basic	.NET	Cr	Creating methods in dataset designer										
11	Conr .NET	onnected database model in Visual Basic IET									Creating connection objects, applications of querying database									
12	Repo	eporting Visual Basic .NET									Applications of reporting									
13		sample database applicion using Visual basic .NET									ng the	sample	applica	ation						
14		A sample database applicion using Visual Basic .NET									ng the	sample	applica	ation						
22	Textbooks, References and/or Other Materials:									Profesyonel Programlama Teknikleri .NET, 2007, Tansu Türkoğlu Visual Basic .NET Complete, 2002, Greg Jarboe, Hollis Thomases, Mari Smith, Chris Treadaway Dave Evans, Sybex Designing Enterprise Applications with Microsoft Visual Basic .NET, 2003, Robert Lan Oliver, Microsoft Press Visual Basic .NET Power Tools, Evangelos Petroutsos,										
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