	OBJECT O	RIENT	ED PROGRAMMING
1	Course Title:	OBJECT	ORIENTED PROGRAMMING
2	Course Code:	BMB200	9
3	Type of Course:	Compuls	ory
4	Level of Course:	First Cyc	le
5	Year of Study:	2	
6	Semester:	3	
7	ECTS Credits Allocated:	7.00	
8	Theoretical (hour/week):	4.00	
9	Practice (hour/week):	0.00	
10	Laboratory (hour/week):	0	
11	Prerequisites:		
12	Language:	Turkish	
13	Mode of Delivery:	Face to f	ace
14	Course Coordinator:	Dr. Ögr.	Üyesi CENGİZ TOĞAY
15	Course Lecturers:	Yrd. Doç	. Dr. Metin BİLGİN
16	Contact information of the Course Coordinator:	Tel: 0224 ctogay@	12942796 uludag.edu.tr
17	Website:		
18	Objective of the Course:	Introduce tools, stru technique such as o inheritan	es concepts of Object Oriented Programming. Presents uctures, syntax, and basic OOP es for designing well formed programs. Studies concepts classes, objects, methods, ce, polymorphism exception handling and template.
19	Contribution of the Course to Professional Development:		
20	Learning Outcomes:		
		1	Know the difference between functional and object oriented programming
		2	Design class structures by using encapsulation principles and create objects,
		3	Design new classes using inheritance,
		4	Define polymorphic methods
		5	Create exception handlers,
		6	Design template functions and classes
		7	
		8	
		9	
		10	
21	Course Content:		
	_	Co	urse Content:
Week	Theoretical		Practice
1	Introduction to Object Oriented Prog	ramming	
2	Introduction to Java Programming: d types/ifelse/loops/functions	ata	

3	Introduc types/ife	tion to	Java ps/fur	Progra	amming s	g: data	а											
4	Introduc types/ife	Progra	amming s	g: data	a													
5	Classes																	
6	Initializi	ects: (CONST	FRUC	TORS	;												
7	Initializi and DE	ng Clas STRU(ss Obj CTOR	ects: (S	CONST	[RUC	TORS	;										
8	Polymo	rphism																
9	Operato	or Over	loadin	g														
10	Inherita	nce																
11	Encaps	ulation																
12	Data hid	ding																
13	Excepti	ons																
14	Excepti	ons																
22	Textbooks, References and/or Other Materials:								 C. Thomas Wu, An Introduction to Object-Oriented Programming with Java, McGraw-Hill International Edition, 2004 Bruce Eckel, Thinking In C++, Vol. 1 and Vol. 2, Second Edition, Prentice-Hall,2000 									
23	Assesm	ent																
Activites								: 1w	FIGHT Numb	er		Dura	ition (Total Work Load (hour)				
	Theoretical project											4.00 56.00						
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ÖK6	2	4	2	2	2	3	3	0	0	0	0	0	0	0	0	0
LO: Learning Objectives PQ: Program Qualifications																
Contrib ution Level:	Contrib 1 very low ution Level:		2 low		3 Medium			4 High			5 Very High					