Basic data of the subject				
Academic unit:	Faculty of E	ngineering a	and Informatics	
	Applied Inf	-		
Title of the subject:	Mobile App		elopment	
Level:	Bachelor		•	
Course Status:	Obligatory			
Year of studies:	III			
Number of hours per week:	3			
Value of Credits - ECTS:	5			
Time / location:				
Course lecturer:	Prof.Dr.Ibr	ahim Çunak	u	
Contact details:	Ibrahim.cuna			
Course Description:	to develop Android ap devices. The mobile appli data. At the	and test a plications an student wi cation that c end of the o dynamic us	simple, dynamic nd optimize it for ll learn how to cr can save and displa course the students	acquire competence user interface for r different mobile reate and test the ty the entered user will present their adroid applications
Objectives of the course:			to teach studen	ts develop mobile
objectives of the course.		•		-
Expected learning outcomes:	<ul> <li>application for Android OS using Eclipse and Android SDK.</li> <li>Upon successful completion of this course, student will be able to: <ul> <li>Be exposed to technology and business trends impacting mobile applications.</li> <li>Apply knowledge of OOP for mobile application development.</li> <li>Be competent with the characterization and architecture of mobile applications.</li> <li>Be competent with understanding enterprise scale requirements of mobile applications.</li> <li>Be competent with designing and developing mobile applications using Android Studio.</li> <li>Create a graphical user interface for data entry and data searching.</li> <li>Save, update, delete, and display records from a database.</li> <li>Test created a mobile application.</li> </ul> </li> </ul>			
Contribution to the stude	nt load (whic	h must corr	snond with loarni	ng outcomes)
Activity	in ioau (wille	Hour	Day/Week	In total
Lectures with numerical exercises		3	<b>Дау/ Week</b>	45
	3	13	43	
Internship				

Contacts with teacher / consulta	tions					
Field exercises						
Midterm, seminars and projects.		3	2	6		
Homework				<u> </u>		
Self-learning time student (at the library or		3	15	45		
at home)		5	10			
Final preparation for the exam		7	2	14		
Time spent on evaluation (tests, quiz and						
final exam)	· 1					
Projects and presentations.		3	5	15		
Total				125		
Teaching methodology:	takes 15 weeks with 2 hours of lectures and 2 hours					
	weekly individual and group exercises.					
	Exercises will be held in the form of individual and group wor					
		which concrete examples will be discussed.				
	-	ctive participation is extremely important so students are				
	•		o attend lectures and exercises regularly and			
		intribute to the discussions that take place in lectures.				
	Lectures, exercise, individual work, discussions and group					
	work.					
Assessment methods:	<i>Test 1, Test 2, Project, Attendance and Activity.</i>					
The ratio of theory and	Final exam: 100%					
practice:	70% theory and 30% practice.					
Literature						
Basic Literature:       1. Phillips, B. Stewart, C.Hardy, B., Marsicano, K.				rsicano, K. (2015)		
	Android Programming: The Big Nerd Ranch Guide.600p					
Additional Literature:	2. Manas, E. L., Grancini, D. (2016). Android High					
	Performance Programming. Packt Publishing. 412 p.					
Designed learning plan			~			
Week:	Lectures an	d exercises to	o be held			
Week one:	Introduction.					
Week two:	The Architecture of Android OS.					
Week three:	Preparation to Android App Programming.					
Week four:	Android App	olication Com	ponents.			
Week five:	First project					
Week six:	Content of an Android app.					
Week seven:	Test 1					
Week eight:	IDE support.					
Week nine:	Object – oriented design.					
Week ten:	External Services.					
Week eleven:	Internal Services.					
		nent in Android.				
Week thirteen:	Non-function	nal requireme	ents and testing.			

Week fourteen:	Wrap up.	
Week fifteen:	Test 2	
Academic policies and rules of conduct		
Regular attendance of lectures and exercises is necessary as well as active participation with		

Regular attendance of lectures and exercises is necessary, as well as active participation with discussion and solution of tasks. Not impeding the progress required for learning using mobile phones turned off or in silent mode.