Course	: Database	management					
		Student	Credits	Semester	Frequency	Duration X	
module/course code		workload X	(ECTS)	Jemester	rrequericy		
IAB69038		hours	(ECI3)			semester(s)	
IAB690	38	nours			F	4/ Carra a stan	
		540.84	4 52 5070		Even	1x / Semester	
		510 Minutes	4.53 ECTS	6	Semester		
		/ Week					
		Types of	Contact hours	;:	Independent	Class size X	
					study	students	
		Tutorial/Lect	150 Minutes / Week				
		ure/Respons			360 Minutes /	30 students	
		е			Week		
1 Prerequisites for participation (if applicable)				ble)			
-							
2	Learning outcomes						
_	Students understand the basic concepts of databases. (Attitude)						
	2. Students are able to communicate verbally well, able to work together in groups, and						
	able to manage/leadership in groups. (Social)						
	3. Students are able to do database design. (Skill)						
	J. Studi	erits are able to	uo uatabase ue.	sigii. (Skiii)			
3	Description:						
	This course provides an understanding and mastery of database concepts, relational data						
	models, database formation and normalization techniques, the use of query language (sql)						
					data as well as cre		
			-			-	
	application	on brograms in s	ystern developi	nent. computer	r-based data proce	သေး၊၊႘.	
4	Subject aims/Content						
	Database System						
		ta Models					
			onal Database Model				
	4. Entity Relationship Modeling						
	5. Advanced Data Modeling						
	6. Database Table Normalization						
	7. Introduction to Structured Query Language (SQL)						
	8. Advanced SQL						
		base Design					
	10. Transaction Management and Concurrency Control						
	11. Database Performance Adjustment and Query Optimization						
		ibuted Database	-				
		ness Intelligence	-	•			
		_			ivity and Web Te	chnologies and	
	_	base Administra					
5	Teaching	methods					
	1. Lectures						
		ussions					
<i>l</i>		· .					

	3. Group Works	
6	Assessment methods 1. Task 2. Mid-Term Exam 3. Final-Term Exam 4. Quiz	
7	Other information e.g. bibliographical references Main 1. Database Systems: Design, Implementation, and Management, 12th Edition: Carlos Coronel and Steven Morris	