

MODULE HANDBOOK

Module Name	Database		
Module level, if applicable	Undergraduate		
Code, if applicable	02143242010		
Subtitle, if applicable	-		
Courses, if applicable	-		
Semester(s) in which the module is taught	2		
Person responsible for the module	Rosihan Ari Yuana, S.Si, M.Kom		
Lecturer	Rosihan Ari Yuana, S.Si, M.Kom		
Language	Indonesian and English		
Relation to curriculum	Undergraduate degree program, compulsory course in 2nd semester		
Type of teaching, contact hours	Undergraduate degree program, < 40 students		
Workload	Lectures: 2 x 50 = 100 minutes (1 hours 40 minutes) per week Exercise and Assignments: 2 x 60 = 120 minutes (2 hours) per week Private study: 2 x 60 = 120 minutes (2 hours) per week		
Credit points	2 SKS		
Requirements according to the examination regulations	A student must have attended at least 75% of the lectures to sit in the exams		
Recommended Prerequisites			
Module objectives/intended learning outcomes	After completing this module, a student is expected to:		
	No	Course Learning Outcome	PLO
	1	Students are able to explain the definition and benefits of databases in an information system	PLO-11
	2	Students are able to explain the steps of database design	PLO-11
	3	Students are able to explain the elements contained in a relationship diagram between entities	PLO-11
	4	Students are able to identify and design a relational database structure from a given problem	PLO-11
	5	Students are able to explain the use and syntax of DDL, DML, and DCL in database management systems	PLO-11

Content	This course contains material on how to understand relational database design techniques, analyze the design results, and then implement them in a relational database management system (RDBMS). Software Engineering area of expertise		
Study and examination requirements and forms of Examination	Forms of examination:		
	No	Course Learning Outcome	PLO
	1	Students are able to explain the definition and benefits of databases in an information system	Performance Appraisal (5%) Online Test (5%) Project (10%)
	2	Students are able to explain the steps of database design	Performance Appraisal (5%) Online Test (5%) Project (10%)
	3	Students are able to explain the elements contained in a relationship diagram between entities	Performance Appraisal (5%) Online Test (5%) Project (10%)
	4	Students are able to identify and design a relational database structure from a given problem	Performance Appraisal (5%) Online Test (5%) Project (10%)
	5	Students are able to explain the use and syntax of DDL, DML, and DCL in database management systems	Performance Appraisal (5%) Online Test (5%) Project (10%)
Media employed	LCD, Whiteboard, Power Point Slide Presentation, Practical Guidance Video, websites, etc.		
Reading list	1. <i>Dasar Perancangan dan Implementasi Database Relasional.</i> , By Abdul Kadir, 2009		