



Bachelor of Mathematics Education

MODULE HANDBOOK

Module name:	Database
Module level, if applicable:	Bachelor
Code:	MAT2.61.8106
Sub-heading, if applicable:	-
Classes, if applicable:	Database
Semester:	8 th (eigth)
Module coordinator:	Meira Parma Dewi, S.Si., M.Kom.
Lecturer(s):	Meira Parma Dewi, S.Si., M.Kom., and Team
Language:	Bahasa Indonesia
Classification within the curriculum:	Study Program Elective Courses
Teaching format / class hours per week during the semester:	<p>Teaching format:</p> <ul style="list-style-type: none"> • Lectures (face to face activities): (Direct instruction model with demonstration methods, Project based learning model with individual/group demonstration), • Structured assignment, • Independent activities, and • Practice. <p>3 x 170 minutes = 510 minutes = 8.50 hours</p>
Workload:	<p>16 weeks per semester include Midterm Exam and Final Exam which consist of:</p> <ul style="list-style-type: none"> • 1.67 hours lectures (2 x 50 minutes) per week, • 2 hours structured assignments (2 x 60 minutes) per week, • 2 hours independent activities (2 x 60 minutes) per week • 2.83 hours practice (1 x 170) per week <p>16 x 170 x 3 = 8160 Minutes =136 hours = 4.53 ECTS</p>
Credit points:	3 SKS (4.53 ECTS)
Prerequisites course(s):	-
Course outcomes:	<p>After taking this course the students have the ability to:</p> <p>CO 1 : Apply the concept of database, relational database and EDR to SQL</p> <p>CO 2 : Apply the concept of database, relational database and EDR to Visual FoxPro</p>

	CO 3 : Show responsibility towards working in groups
Content:	<p>This course discusses:</p> <ol style="list-style-type: none"> 1. Introduction to databases 2. Database Language 3. Types of Databases 4. Database System 5. Relational Database 6. Relational Data Model 7. Entity Relational Diagram 8. Normalization 9. SQL 10. Visual FoxPro
Study/exam achievements:	<p>Total score = (35% x Midterm Exam) + (35% x Final Exam) + (20% x Project) + (10% x Affective Score Assessment)</p> <p>The initial cut - off points for grades A, A-, B+, B, B-, C+, C, C-, and D should not be less than 85, 80, 75, 70, 65, 60, 55, 50, and 40 out of 100 respectively.</p> <p>Explanation:</p> <p>1. Midterm Exam</p> <ul style="list-style-type: none"> ✓ Midterm exam was held at the 9th meeting ✓ Midterm exam was carried out in the classroom with an implementation time of 120 minutes according to the module schedule <p>2. Final Exam</p> <ul style="list-style-type: none"> ✓ Final exam was held at the 18th meeting ✓ Final exam was carried out in the classroom with an implementation time of 120 minutes which follows the Final exam implementation schedule of the department <p>3. Project Assignment</p> <ul style="list-style-type: none"> ✓ Projects were given twice in one semester, before midterm exam and before Final exam ✓ Projects are given as group task and it is in form paper and presentation and it is assessed by rubric assessment ✓ Project before midterm exam is about analyzing instruments of available thesis in library in aspect of validity & reliability. ✓ Project before final is about creating instruments of

