



UNIVERSITAS NEGERI PADANG
 FACULTY OF MATHEMATICS AND NATURAL SCIENCES
 MATHEMATICS DEPARTMENT, MATHEMATICS EDUCATION STUDY PROGRAM
 Main Campus Universitas Negeri Padang.
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Bachelor of Mathematics Education

MODULE HANDBOOK

Module name:	TFV Complex 1
Module level, if applicable:	Bachelor
Code:	MAT1.61.806
Sub-heading, if applicable:	-
Classes, if applicable:	TFV Complex 1
Semester:	8 th (Eigth)
Module coordinator:	Dr. Arnellis, M.Si.
Lecturer(s):	Dr. Arnellis, M.Si., and Team
Language:	Bahasa Indonesia
Classification within the curriculum:	Study Program Elective Course
Teaching format / class hours per week during the semester:	Teaching format: <ul style="list-style-type: none"> • Lectures (face to face activities): (Expository, discussion, question and answer) • Structured assignment • Independent activities • Practice 3 x 170 minutes = 510 minutes = 8.50 hours
Workload:	16 weeks per semester include Midterm Exam and Final Exam which consist of: <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 16 x 170 x 3 = 8160 Minutes = 136 hours = 4.53 ECTS
Credit points:	3 SKS (4.53 ECTS)
Prerequisite's course(s):	Calculus, Advanced Calculus
Course outcomes:	After taking this course the students have ability to: CO1. Explain the concept of complex numbers, complex function, derivative of complex function, analytic function,

	<p>elementary function, and integration of complex function.</p> <p>CO2. Apply the concept of complex numbers, complex function, derivative of complex function, analytic function, elementary function, and integration of complex function.</p> <p>CO3. Analyze the problems that connect to the concept of complex numbers, complex function, derivative of complex function, analytic function, elementary function, and integration of complex function.</p> <p>CO4. Show responsibility attitude towards works by self and by team works.</p>
Content:	<p>This course discusses:</p> <ol style="list-style-type: none"> 1. complex numbers 2. complex function 3. derivative of complex function 4. analytic function 5. elementary function 6. integration of complex function
Study/exam achievements:	<p>Total Score = (30% x Midterm Exam) + (35% x Final Exam) + (25% x Assignment: homework, quiz) + (10% x Affective Score: responsibility, class attendance)</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 is held at the 9th meeting ✓ Midterm Exam is a written exam (essay test) and 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 is held at the 16th meeting ✓ Final Exam is a written exam (essay test) and carried out in the classroom with an implementation time of 120 minutes which follows the Final Exam implementation schedule of the department <p>3. Assignments</p> <ul style="list-style-type: none"> ✓ Assignments are given as exercise before Midterm Exam and before Final Exam ✓ Assignments are about analyzing problems in daily life and solving them related to the contents of TFV Complex 1. ✓ Assignments are given as individual tasks and it is submitted in a limited time. <p>4. Affective Assessment</p> <ul style="list-style-type: none"> ✓ Affective assessment is held in every meeting by observing students' attitude in the classroom and daily

