



# MODULE HANDBOOK CAPITA SELECTE OF ANALYSIS

**BACHELOR DEGREE PROGRAM  
DEPARTMENT OF MATHEMATICS  
FACULTY OF SCIENCE AND DATA ANALYTICS  
INSTITUT TEKNOLOGI SEPULUH NOPEMBER**

# MODULE HANDBOOK

## Capita Selecta of Analysis

Module name	<b>Capita Selecta of Analysis</b>	
Module level	Undergraduate	
Code	KM184813	
Course (if applicable)	Capita Selecta of Analysis	
Semester	Spring (Genap)	
Person responsible for the module	Dr. Mahmud Yunus, M.Si.	
Lecturer	Dr. Mahmud Yunus, M.Si.	
Language	Bahasa Indonesia and English	
Relation to curriculum	Undergraduate degree program, <b>elective</b> , 8 <sup>th</sup> semester.	
Type of teaching, contact hours	Lectures, <60 students <b>Tuesdays, 11.00-12.50 (GMT+7)</b>	
Workload	<ol style="list-style-type: none"> <li>1. Lectures : 2 x 50 = 100 minutes per week.</li> <li>2. Exercises and Assignments : 2 x 60 = 120 minutes (2 hours) per week.</li> <li>3. Private learning : 2 x 60 = 120 minutes (2 hours) per week.</li> </ol>	
Credit points	2 credit points (sks)	
Requirements according to the examination regulations	A student must have attended at least 75% of the lectures to sit in the exams.	
Mandatory prerequisites	-	
Learning outcomes and their corresponding ILOs	<p>Course Learning Outcome (CLO) after completing this module,</p> <p>Students are able to study recent topics on analysis and algebra</p> <p>Students are able to understand a paper and present it</p>	<p>CLO-01</p> <p>CLO-02</p>
Content	In this course, students will be given new insights about material / topics that are developing and according to current needs. In this lecture, new topics of analysis are examined. Papers about the topic are presented in the form of discussions and presentations. It is expected that the topics of the final project will emerge.	

Study and examination requirements and forms of examination	<ul style="list-style-type: none"> <li>• In-class exercises</li> <li>• Assignment 1, 2, 3</li> <li>• Mid-term examination</li> <li>• Final examination</li> </ul>
Media employed	LCD, whiteboard, websites (myITS Classroom), zoom.
Reading list	<p>Main :</p> <ol style="list-style-type: none"> <li>1. Text book for related topics</li> <li>2. Papers for related topics</li> </ol> <p>Supporting :</p>