MODULE HANDBOOK
TOPICS IN ALGEBRA

BACHELOR DEGREE PROGRAM
DEPARTMENT OF MATHEMATICS
FACULTY OF SCIENCE AND DATA ANALYTICS

INSTITUT TEKNOLOGI SEPULUH NOPEMBER

MODULE HANDBOOK
TOPICS IN ALGEBRA

Module name	**Topics in Algebra**	
Module level	Undergraduate	
Code	KM184813	
Course (if applicable)	Topics in Algebra	
Semester	Spring (Genap)	
Person responsible for the module	Dr. Dieky Adzkiya, S.Si, M.Si.	
Lecturer	Dr. Dieky Adzkiya, S.Si, M.Si.	
Language	Bahasa Indonesia and English	
Relation to curriculum	Undergradute degree program, **elective**, 8th semester.	
Type of teaching, contact hours	Lectures, <60 students Tuesday, 11.00-12.50 (GMT+7)	
Workload	1. Lectures : 2 x 50 = 100 minutes per week. 2. Exercises and Assignments : 2 x 60 = 120 minutes (2 hours) per week. 3. Private learning : 2 x 60 = 120 minutes (2 hours) per week.	
Credit points	2 credit points (sks)	
Requirements according to the examination regulations	A student must have attended at least 75% of the lectures to join the exams.	
Mandatory prerequisites	-	
Learning outcomes and their corresponding ILOs	Course Learning Outcome (CLO) after completing this module, 1. Students are able to study new topics about algebra, both theoretical and the application. 2. Students are able to understand and relay material from paper / related papers in the form of presentation.	CLO-01 CLO-02
Content	In this course, students will be given new insights about material / topics that are developing in accordance with current needs. In this lecture, new topics on algebra were examined, both in terms of theory and application. Study papers / papers on 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	• In-class exercises • Assignment 1, 2, 3 • Mid-term examination • Final examination
Media employed	LCD, whiteboard, websites (myITS Classroom), zoom.
Reading list	Main : 1. Lidl, R. dan Pilz, G, "Applied Abstract Algebra (Undergraduate Texts in Mathematics) 2nd edition", 1997 2. Buku dan paper untuk topik terkait Supporting :