MODULE HANDBOOK
Discrete Transformation

MASTER DEGREE PROGRAM

DEPARTMENT OF MATHEMATICS
FACULTY OF SCIENCE AND DATA ANALYTICS
INSTITUT TEKNOLOGI SEPULUH NOPEMBER

Module name	**Discrete Transformation**
Module level	Postgraduate
Code	KM185271
Course (if applicable)	**Discrete Transformation**
Semester	Fall
Person responsible for the module	
Lecturer	
Language	Bahasa Indonesia and English
Relation to curriculum	Master degree program, **Elective**, 3rd semester.
Type of teaching, contact hours	Lectures, <60 students
Workload	1. Lectures: 2 x 50 = 100 minutes per week. 2. Exercises and Assignments: 2 x 60 = 120 minutes (3 hours) per week. 3. Private learning: 2 x 60 = 120 minutes (3 hours) per week.
Credit points	2 credit points (sks)
Requirements according to the examination regulations	A student must have attended at least 80% of the lectures to sit in the exams.
Mandatory prerequisites	-
Learning outcomes and their	Course Learning Outcome (CLO) after completing this module,

corresponding PLOs	
Content	On this subject, topic-topic presented the latest in the field of optimization. Study of paper and related paper presented the topic for the next student in the form of presentation. From this study are expected to emerge thesis topics. Subject: 1. Linear transformations 2. Fourier transformation 3. Wavelet transformation
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	Text books and related Paper