



MODULE HANDBOOK

Geometry

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

MODULE HANDBOOK

Geometry

Module name	Geometry	
Module level	Undergraduate	
Code	KM184712	
Course (if applicable)	Geometry	
Semester	Fall (Ganjil)	
Person responsible for the module	Drs. Iis Herisman, M.Si Dra. Wahyu Fisia D., M.Si	
Lecturers	Drs. Iis Herisman, M.Si Dra. Wahyu Fisia D., M.Si	
Language	Bahasa Indonesia and English	
Relation to curriculum	Undergraduate degree program, elective 7 th semester.	
Type of teaching, contact hours	Lectures, <60 students	
Workload	<ol style="list-style-type: none"> 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, CLO-1 Be able to explain the definition of forecasting and quantitative forecasting methods. CLO-2 Be able to determine data patterns and trends.	CLO-01 CLO-02
Content	This course provides knowledge and understanding of a logical foundation starting with providing undefined geometric elements in the axioms of incidence and alignment, the concept of sequence, the concept of rays, the concept of angles and the concept of congruence. Furthermore, the following concepts will be studied and developed in	

	the form of theorems and their proofs by analysis and assisted by incidence geometric shapes.
Study and examination requirements and forms of examination	<ul style="list-style-type: none"> • In-class exercises • Assignment 1,2 • Mid-term examination • Final examination
Media employed	LCD, whiteboard, websites (myITS Classroom), zoom.
Reading lists	<p>Main :</p> <ol style="list-style-type: none"> 1. Rawuh., " Geometri ", Edisi kesatu, Universitas Terbuka Departemen Pendidikan Nasional, Indonesia, Juli 2008. 2. Glencoe McGraw-Hill., "Geometry Concepts and Applications", United States of America, 2008. 3. David A. Brannan, Matthew F. Esplen Jeremy J. Gray., "Geometry", Cambridge University Press, 1999. <p>Supporting :</p>