MODULE HANDBOOK

Module Name:	System of Geometry
Module Level:	Sarjana (S-1) / Bachelor
Abbreviation, if applicable:	8420203201
Sub-heading, if applicable:	-
Course included in the module, if applicable:	-
Semester/term:	5/ Third year
Module Coordinator(s):	Prof. Dr. Mega Teguh Budiarto, M.Pd
Lecturer(s):	Dr. Susanah, M.Pd Rudianto Artiono, M.Si
Language:	Indonesia
Classification within the curriculum:	~~Compulsory course~~/ elective studies
Teaching format/class hours per week during the semester	Teaching format: lectures, tutorial assignment, and individual study. 3 x 170 minutes = 510 minutes = 8.5 hours lectures
Workload:	15 weeks per semester consisting of: ➢ 3 hours lectures (3 x 50 minutes) per week, ➢ 3 hours tutorial assignments (3 x 60 minutes) per week, ➢ 3 hours individual study (3 x 60 minutes) per week, Total workload: 14x3x170 minutes = 7,140 minutes = 4.76 ECTS*
Credit Point:	3
Requirements:	Foundation of Mathematics 8420203043
Learning Goals :	**Knowledge (KNO-1)** CLO-1 : Develop mathematical thinking which begins from an understanding of euclid geometry to non euclid geometry. **Skill (SKI-2)** CLO-2: Implement understanding of euclid geometry and non euclid geometry in solving geometry problems.

Content:	Euclid Geometry, Ordered Geometry, Affine Geometry, Euclid's Parallel Concept, Projective Geometry, Incidence Geometry, Neutral Geometry, Lobachevski Geometry, Riemann Geometry, Fano Geometry, Origami Geometry and Taxicab Geometry
Study/exam achievements	➢ Students are considered competent and pass if the final score calculated from the score of midterm exam, assignments, participation, and final exam is at least 55 or C. ➢ Final score is calculated as follows: ➢ 20% midterm exam + 30% assignments + 20% participation + 30% final exam ➢ Final index is defined as follow:

Index	Converted Score	Score Range
A	4.00	$85 \leq A \leq 100$
A-	3.75	$80 \leq A- <85$
B+	3.50	$75 \leq B+ <80$
B	3.00	$70 \leq B <75$
B-	2.75	$65 \leq B- <70$
C+	2.50	$60 \leq C+ <65$
C	2.00	$55 \leq C <60$
D	1.00	$40 \leq D <55$
E	0.00	$0 \leq E <40$

Forms of Media	Slides and LCD projectors, whiteboard
Literature	[1] Budiarto, M.T. 2014. *Sistem Geometri*. Surabaya: Zifatama Publishing. [2] Prenowits, W., Meyer. J. 1989. Basic Concepts of Geometry. Toronto: Xerox Collage Publishing
Note	*Total hours per 1 credit in 1 semester={(1 credit x 170 minutes x 14 weeks)/60 minutes}=39,67 hours. Each ECTS equals with 25 hours therefore 1 credit in 1 semester equals 1,59 ECTS.