MODULE HANDBOOK

Module Name:	Geometry
Module Level:	Sarjana (S-1) / Bachelor
Abbreviation, if applicable:	4420104057
Sub-heading, if applicable:	-
Course included in the module, if applicable:	-
Semester/term:	2/ First year
Module Coordinator(s):	Dr. Susanah, M.Pd
Lecturer(s):	Prof. Dr.Siti M Amin, M.Pd. Dr. Susanah, M.Pd. Ahmad Wachidul Kohar, M.Pd.
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: ➢ 2.5 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:	None
Learning Goals:	**Knowledge** CLO-1: Demonstrate knowledge of the elements and geometry-related theorems in axiomatic deductive systems (KNO 1) CLO-2: Demonstrate knowledge of shapes, congruence of shapes, inequalities in triangles. (KNO 1) CLO-3: Demonstrate knowledge of the relationship of points, lines, planes and spaces (KNO 1) CLO-4: Demonstrate knowledge of the congruence of triangles, circles and spheres. (KNO 1)

<table>
<tr><td></td><td>CLO-4: Demonstrate knowledge of the basics of drawing geometric shapes, polygon, planes of intersection, and volume of shapes (KNO 1)
Skill
CLO-5: Apply knowledge of the concept of planes and theorems associated with solving geometric problems (SKI 2)
CLO-6: Apply knowledge of the concept of planes and theorems associated with solving geometric problems (SKI 2)</td></tr>
<tr><td>Content:</td><td>Geometry in axiomatic deductive systems, shapes and their elements, lines, angles, planes, spaces, triangles and lots, geometric shapes congruence, theorems related to the congruence of triangles, direct and indirect proofs, inequality of triangles, shapes of space, relationships between lines and lines, lines and planes, planes and planes, the Pythagorean theorem, the congruence of triangles, circles and spheres, the basics of drawing geometric shapes, painting geometric shapes, shapes, polygons and planes of intersection</td></tr>
<tr><td>Study/exam achievements</td><td>➢ 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:

<table><tr><td>Index</td><td>Converted Score</td><td>Score Range</td></tr><tr><td>A</td><td>4.00</td><td>$85 \leq A \leq 100$</td></tr><tr><td>A-</td><td>3.75</td><td>$80 \leq A- < 85$</td></tr><tr><td>B+</td><td>3.50</td><td>$75 \leq B+ < 80$</td></tr><tr><td>B</td><td>3.00</td><td>$70 \leq B < 75$</td></tr><tr><td>B-</td><td>2.75</td><td>$65 \leq B- < 70$</td></tr><tr><td>C+</td><td>2.50</td><td>$60 \leq C+ < 65$</td></tr><tr><td>C</td><td>2.00</td><td>$55 \leq C < 60$</td></tr><tr><td>D</td><td>1.00</td><td>$40 \leq D < 55$</td></tr><tr><td>E</td><td>0.00</td><td>$0 \leq E < 40$</td></tr></table></td></tr>
<tr><td>Forms of Media</td><td>Slides and LCD projectors, whiteboard</td></tr>
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Literature	[1] Susanah. (2020). Geometri (Datar dan ruang), Surabaya: University Press Surabaya [2] Berger,M. (2010).Geometry Revealed, Berlin: Springer Verlag [3] [4] Larson R., Boswell L, and Stiff L, (2004), Geometry, McDougal Littell, Houghton
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.