Module designation	*Geometry*
Semester(s) in which the module is taught	*1*
Person responsible for the module	*Himmawati Puji Lestari*
Language	*Bahasa Indonesia*
Relation to curriculum	*Compulsory course*
Teaching methods	*150 minutes lectures and 180 minutes structured activities per week.*
Workload (incl. contact hours, self-study hours)	*Total workload is 136 hours per semester which consists of 150 minutes lectures, 180 minutes structured activities, and 180 minutes self-study per week for 16 weeks.*
Credit points	*3*
Required and recommended prerequisites for joining the module	-
Module objectives/intended learning outcomes	*CO1. Demonstrate a collaborative attitude and respect the opinions of others in carrying out individual and group tasks* *CO2. Communicate ideas in explaining understanding of plane geometry and solid geometry orally and in writing* *CO3. Master the concepts of plane and solid geometry deductively and axiomatically* *CO 4. Explore and prove theorems in plane and solid geometry using deductive axiomatic reasoning* *CO5. Solve problems using concepts of plane and solid geometry using deductive axiomatic reasoning*
Content	*This course discusses geometry deductively and axiomatically; covering the basic elements of geometry, parallelism, flat shapes, congruence, similarity, the Pythagorean theorem, the area and perimeter of flat shapes, polygons, circles, distance and angles in space, spatial shapes, surface area and volume, and regular polygons.*
Examination forms	*CO1: Attitude assessment is carried out at each meeting by observation and / or self-assessment techniques using the assumption that basically every student has a good attitude.*

<table>
<tr>
<td>Study and examination requirements</td>
<td>
The student is given a value of very good or not good attitude if they show it significantly compared to other students in general. The result of attitude assessment is not a component of the final grades, but as one of the requirements to pass the course. Students will pass from this course if at least have a good attitude.

The final mark will be weight as follow:
<table>
<tr><th>No</th><th>CO</th><th>Assessment Object</th><th>Assessment Technique</th><th>Weight</th></tr>
<tr><td>1</td><td>CO 1</td><td>a. Presentation
b. Discussion</td><td>Observation</td><td>5%
10%</td></tr>
<tr><td>2</td><td>CO 2, CO 3, CO 4</td><td>a. Individual assignment
b. Group assignment
c. Quiz
d. Midterm
e. Final test</td><td>Written</td><td>

40%

0%
20%
25%</td></tr>
<tr><td colspan="4">Total</td><td>100%</td></tr>
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<tr>
<td>Reading list</td>
<td>

1. Glencoe. 2001. GEOMETRY, Concepts and Applications.Teacher's Wraparound Egdition. USA: McGraw Hill Company Inc.
2. Himmawati PL. 2022. Geometri Yogyakarta: UNY.
3. Rich, Barnet. 1999. Schaum's outline of Theory and Problems of Geometry. New York: Mc-graw Hill
4. Serra, Michael. 2008. Discovering Geometry: An Investigation Approach. USA: Key Curriculum Press

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