Module designation	*Geometric System*
Semester(s) in which the module is taught	*5*
Person responsible for the module	*Himmawati Puji Lestari S.Si., M.Si.*
Language	*Bahasa Indonesia*
Relation to curriculum	*Elective 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	*MAT6308 - Analytical Geometry*
Module objectives/intended learning outcomes	*CO1 Demonstrate responsibility and independence in completing assigned tasks* *CO2 Demonstrate enthusiasm and cooperation in comparing concepts in various geometric systems* *CO3 Explaining concepts and principles in various geometric systems* *CO4 Comparing concepts and theorems in various geometric systems and applying Euclidean geometry in school*
Content	*This course discusses geometry as a deductive system, consisting of ordered geometry, affine geometry, absolute geometry, hyperbolic geometry, and elliptic geometry, which are compared with Euclidean geometry.*
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.*

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<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>10%
10%
20%
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. Moeharti Hw. 1986. Sistem-SistemGeometri. Jakarta :Karunika Jakarta – Universitas Terbuka.
2. Himmawati Puji Lestari. 2021. Sistem Geometri. Jakarta: Spada Dikti
3. Grennberg Marvin Jay. 1980. Euclidean and Non Euclidean Geometries. San Fransisco :WH.Freeman and Company.
4. C. Adler, Claire Fisher. 1987. Modern Geometry. New York :McGraw Hill Book Company.

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