# Descriptive Geometry

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| **Module Name** | Course Module |
| **Module Level** | Bachelor Degree of Mathematics Education |
| **Code, if applicable** | 3115-025-2 |
| **Sub-title, if applicable** | - |
| **Courses, if applicable** | Descriptive Geometry |
| **Semester(s) in which the module is taught** | 7th semester |
| **Person responsible for the module** | Lecturer of Courses |
| **Lecturer (s)** | Aris Hadiyan W., M. Pd. |
| **Language** | Bahasa Indonesia |
| **Relation to Curriculum** | Elective Course |
| **Type of teaching,contact hours** | The teaching methods used in this course are:<br>- Lectures (i.e., discussion groups, and video-based learning)<br>- Structured assignments (essays)<br><br>The class size for college is 20 students.<br>Contact hours for lectures are 26.66 hours, assignments are 32.00 hours, and independent study are 32.00 hours. |
| **Workload** | For this course, students are required to meet the minimum<br>90.66 hours in one semester, consisting of:<br>26.66 hours for lectures, |

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<tr><td></td><td>32.00 hours for structured tasks,<br><br>32.00 hours for self study.</td></tr>
<tr><td>Credit Points</td><td>2 CP (3 ECTS)</td></tr>
<tr><td>Requirements according to the examination<br><br>regulations</td><td>Students must attend all lectures and submit all individual and group assignments scheduled before the final exam.</td></tr>
<tr><td>Recommended prerequisites</td><td>-</td></tr>
<tr><td>Program intended learning outcomes</td><td>PLO 5 : Able to master the basics of mathematical theoretical concepts including mathematical logic, discrete mathematics, algebra, analysis, and geometry, as well as probability theory and statistics.<br><br>CLO1 : Understanding the projection plane and the projection of points, lines and planes on the projection plane<br><br>CLO2 : Defines a two-line projection on the projection plane<br><br>CLO3 : Determining the projection of two fields in the projection area of the Mathematics Education Study Program<br><br>CLO4 : Defines a field and the breakpoint of the field<br><br>CLO5 : Comprehends the line's breakpoint to the new third plane of projection<br><br>The relationship between PLO dan CLO in this course describe as follow:<br><br><table><tr><td>CLO</td><td>PLO</td></tr></table></td></tr>
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| | **Siswa will learn about:**<br>1. Plane projection and projection of geometric objects<br>2. Position of points and lines<br>3. The position of two fields<br>4. Draw a field and a line break point on the field<br>5. Point of break of the line to the new third projection plane | | |
| **Forms of Assessment** | Assessment of the learning process according to the following components: assignment 30%,<br>mid exam 30%, final exam 40%. | | |
| **Study and exam requirements** | **:**<br>- Students must be present 15 minutes before class starts.<br>- Students must turn off all electronic devices.<br>- Students are required to notify the lecturer if they are absent from class due to illness, etc.<br>- Students must turn in all classwork before the deadline.<br>- Students must take the exam to get the final grade.<br>**Forms of examination:** written test | | |

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| **Media employed** | laptop, Internet, LCD, Whiteboard, Zoom/GoogleMeet/ Micosoft Teams, LMS, Wikipedia, Kahoot, Edmodo and Moodle |
| **Reading list** | **Referensi Utama** |
| | Teaching Materials of Descriptive Geometry<br>Internet |