# MODULE HANDBOOK

<table>
<tr><th colspan="7">GEOLOGY AND GEOMORPHOLOGY OF INDONESIA</th></tr>
<tr><td colspan="2">Module/Course Title<br><br>8720201057</td><td>Student Workload<br>2 CU X 16 X 170’= 90,6618</td><td>Credits<br><br>2 CU<br>3.18 ECTS</td><td>Semester<br><br>5TH</td><td>Frequency<br><br>ONCE YEAR</td><td>Duration<br><br>1 SEMESTER</td></tr>
<tr><td>1</td><td colspan="2">Types of courses<br>LECTURES</td><td>Contact hours<br>(2CU X 1,59 ECTS) X{(50:170’)X 28,51 Workhours= 26,64</td><td>Independent Study<br>(2CU X 1,59 ECTS) X{(60:170’)X 28,51 Workhours= 31,96</td><td>Structured Study<br>(2CU X 1,59 ECTS) X{(60:170’)X 28,51 Workhours= 31,96</td><td>Class size<br><br>MAX 37 STUDENT</td></tr>
<tr><td>2</td><td colspan="6">Prerequisites for participation (if applicable)<br><br>-</td></tr>
<tr><td rowspan="5">3</td><td colspan="6">Program Learning outcomes</td></tr>
<tr><td colspan="6">PLO 2<br>Able to analyze regional and regional characteristics (regionalization) in the context of resources and disasters based on the principles and approaches of geography to support sustainable development</td></tr>
<tr><td colspan="6">PLO 6<br>Able to make appropriate decisions in the context of problem solving in geography and geography education, based on the results of information and data analysis</td></tr>
<tr><td colspan="6">PLO 8<br>Able to formulate, process, analyze data, and present geosphere information both physical and human aspects by using geospatial technology for geography learning and research</td></tr>
<tr><td colspan="6">PLO 11<br>Demonstrate a responsible attitude towards work in the field of expertise independently</td></tr>
<tr><td></td><td colspan="6">CLO 2<br>Be able to analyze the characteristics of volcanic land, beaches and coral reefs in an area to support sustainable development.<br><br>CLO 6<br>Able to solve problems in the fields of Indonesian geology and geomorphology, as well as non-volcanic denudational landforms based on information and data analysis.</td></tr>
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| | CLO 8<br>Able to process, analyze, and present climatic and lowland data using geospatial technology for research.<br><br>CLO 11<br>Able to take responsibility for independently analyzing Indonesian geological and geomorphological conditions |
| 4 | **Subject aims/Content**<br>1**.** Geological profile, geological disaster, disadvantages and advantages of Indonesian geological conditions<br>2. Indonesian geological and geomorphological regions, including the Sunda Arc (sectors of Southeast Asia, Sumatra, Java and West Nusa Tenggara), East Nusa Tenggara, Irian Jaya, Banda Arc, North Maluku and Minahasa, Sulawesi Inactive Arc<br>3. Climatic factors in the development of land forms in Indonesia<br>4. Forms of volcanic land in Indonesia<br>5. Non-volcanic denudational landforms in Indonesia<br>6. Lowland geomorphology in Indonesia |
| 5 | **Teaching methods**<br>*Project Base Learning* |
| 6 | **Assessment methods**<br>*paper test* |
| 7 | **This module/course is used in the following study programme/s as well**<br>- |
| 8 | **Responsibility for module/course**<br>COMPULSORY/~~ELECTIVE~~*/<br>1. Bemmelen, R.W van., 1949, ***The Geology of Indonesia, vol 2***, Gvt Print Office, The Hague<br>2. Sriyono, 2018, ***Geologi dan Geomorfologi Indonesia***, Yogyakarta, Ombak<br>3. Summerfield, M.A., 1991, ***Global Geomorpholgy*** , New York, john Wiley and Sons<br>4. Verstappen, H.Th, 1983, ***Applied Geomorphology. Geomorphological Surveys for Environmental development***, Amsterdam, Elsevier<br>5. Verstappen, H.Th, 2013, ***Garis Besar Geomorfologi Indonesia***, Yogyakarta. Gadjah Mada University Press |