UNIVERSITAS NEGERI YOGYAKARTA
FACULTY OF MATHEMATICS AND NATURAL SCIENCES
DEPARTMENT OF PHYSICS EDUCATION
PHYSICS STUDY PROGRAM
Colombo St. Number 1 Yogyakarta 55281
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Bachelor of Physics **MODULE HANDBOOK**

Module name:	Physical Geology
Module level, if applicable:	Undergraduate
Code:	FSK6269
Sub-heading, if applicable:	-
Classes, if applicable:	-
Semester:	6th
Module coordinator:	Khafidh Nur Aziz, M.Sc.
Lecturer(s):	Khafidh Nur Aziz, M.Sc.
Language:	Bahasa Indonesia
Classification within the curriculum:	Elective Course
Teaching format / class hours per week during the semester:	100 minutes lectures, 120 minutes structured activities, and 120 minutes individual study per week
Workload:	Total workload is 90,67 hours per semester which consists of 100 minutes lectures, 120 minutes structured activities, and 120 minutes individual study per week for 16 weeks.
Credit points:	2 SKS (3.25 ECTS)
Prerequisites course(s):	-
Course Outcomes	A. mastering the formation rocks and minerals. B. describe processes operating on the surface of the Earth and resulting landscapes and features. C. identify common rocks, landscapes, and features in the field. D. interpret and construct topographic maps and geologic maps.

<table>
<tr><td>Content:</td><td>This course discusses minerals, rocks, structural geology, plate tectonics, geologic time, geological processes, and landforms.</td></tr>
<tr><td>Study / exam achievements:</td><td>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>CO1, CO2, CO3, and CO4</td><td>a. Assignment (Individual, Case Study)
b. Mid
c. Final Exam</td><td>Written Test</td><td>50%

25%
25%</td></tr>
<tr><td colspan="4">Total</td><td>100%</td></tr>
</table></td></tr>
<tr><td>Forms of media:</td><td>Board, LCD Projector, Laptop/Computer</td></tr>
<tr><td>Literature:</td><td>A. Plummer, C.C., Carlson, D.H., & Hammersley, L. 2016. Physical Geology 15th Edition. New York: Mc Graw Hill.
B. Marshak, S. & Rauber, R. 2017. Earth Science, The Earth, The Atmosphere, and Space: New York: W. W. Norton and Company.
C. Keller, E.A. & De Vechhio, D. E. 2019. Natural Hazards, Earth’s Processes as Hazards, Disaster, and Catastrophes 5th Edition. New York: Roudledge.</td></tr>
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PLO and CO mapping

	PLO1	PLO2	PLO3	PLO4	PLO5	PLO6	PLO7	PLO8
CO1		√						
CO2		√			√			
CO3					√			
CO4					√			