UNIVERSITAS NEGERI YOGYAKARTA
FACULTY OF MATHEMATICS AND NATURAL SCIENCES
DEPARTMENT OF PHYSICS EDUCATION
PHYSICS STUDY PROGRAM
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Bachelor of Physics **MODULE HANDBOOK**

Module name:	Physics of Natural Hazards
Module level, if applicable:	Undergraduate
Code:	FSK6274
Sub-heading, if applicable:	-
Classes, if applicable:	-
Semester:	5th
Module coordinator:	Khafidh Nur Aziz, M.Sc.
Lecturer(s):	Khafidh Nur Aziz, M.Sc.
Language:	Bahasa Indonesia
Classification within the curriculum:	Compulsory 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):	-

<table>
<tr><td>Course Outcomes</td><td>CO1. mastering the definition and types of natural hazards.
CO2. describe the causes, processes, and impacts of natural hazards.
CO3. mastering strategies for disaster risk reduction.
CO4. conduct an analysis of risk and impact from cases or disaster management programs in Indonesia.</td></tr>
<tr><td>Content:</td><td>This course discusses introduction to natural hazards, causes, processes, and impacts of natural hazards, and disaster mitigation.</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 and CO2</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. Hyndman, D. & Hyndaman D. 2017. Natural Hazards and Disaster 5th Edition. Boston: Cengage Learning.
B. Keller, E.A. & De Vechhio, D. E. 2019. Natural Hazards, Earth’s Processes as Hazards, Disaster, and Catastrophes 5th Edition. New York: Roudledge.
C. Plummer, C.C., Carlson, D.H., & Hammersley, L. 2016. Physical Geology 15th Edition. New York: Mc Graw Hill.</td></tr>
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PLO and CO mapping

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