

UIN SUNAN KALIJAGA YOGYAKARTA

FACULTY OF SCIENCE AND TECHNOLOGY

Jl. Marsda Adisucipto Yogyakarta 55281, Telp:+62274519739, Fax:+62274540971, <u>E-mail:</u> fst@uin-suka.ac.id, website: http://saintek.uin-suka.ac.id/

Undergraduate Programme in Physics

Telp : +62274 519739
Email : fisika@uin-suka.ac.id
Website : http://fisika.uin-suka.ac.id/

MODULE HANDBOOK

Module Name	Geology						
Module level, if applicable	Bachelor						
Code, if applicable	FIS424027						
Subtitle, if applicable	-						
Courses, if applicable	Geology (Geology)						
Semester(s) in which the module is	4 th (fourth)						
taught							
Person responsible for the module	Dr. Thaqibul Fikri Niyartama, S.Si., M.Si						
Lecturer(s)	Dr. Thaqibul Fikri Niyartama, S.Si., M.Si	Dr. Thaqibul Fikri Niyartama, S.Si., M.Si					
Language	Indonesia						
Relation to curriculum	Compulsory course in the second year (4 th semester) Bachelor Degree						
Type of teaching, contact hours	150 minutes lectures and 180 minutes structured activities per week	ek.					
Workload	Total workload is 136 hours per semester, which consists of 150 minutes lectures per						
	week for 14 weeks, 180 minutes structured activities per week, 180 minutes						
	individual study per week, in total is 16 weeks per semester, includ	ling mid exam and					
	final exam						
Credit points	3						
Requirements according to the							
examination regulations							
Recommended prerequisites	No prerequisites stated on						
Module objectives/intended learning	After completing this course, the students:						
outcomes	CO 1. Students are able to recognize the elements of geological structure.;						
	CO 2. Students are able to describe and analyse a geological st						
	CO 3. Students are able to explain the process of occurrence structure.	ce of a geological					
Content	a. Geological Science						
	b. Crystals, minerals and rocks						
	c. Exogenous and endogenous processes						
	d. Sedimentation and Metamorphism						
	e. Introduction to petrology, morphology, structural geology and stratigraphy f. Weathering and erosion						
	g. Geological time scale						
	h. Introduction to physical geology						
	i. Basics of mapping and geological maps						
Study and examination requirements	The final mark will be weighted as follows:	,					
and forms of examination	NO Assessment methods (components, activities)	Weight					
		(percentage)					



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	1	Final Exami	40%						
	2	Mid-Term E	30%						
	3	Class Activi	30%						
		The final assessment is expressed in the form of a letter value converted from number value with the following categories:							
	NO	Number Value	Letter Value	NO	Number Value	Letter Value			
	1	≥ 95	Α	7	65-69.99	B/C			
	2	90-94.99	A-	8	60-64.99	C+			
	3	85-89.99	A/B	9	55-59.99	С			
	4	80-84.99	B+	10	50-54.99	C-			
	5	75-79.99	В	11	55-34.99	D			
	6	70-74.99	B-	12	<35	E			
Media employed	White-	White-board, Lcd Projector, e-learning (https://daring.uin-suka.ac.id/)							
Reading list	1. Sukandarrumidi, 2014, Geologi Umum, Gadjah Mada University Press								
	2. Tho	2. Thomson, G. R., dan Turk, J.,1998, Introduction to Physical Geology, Saunders							
	College	College Pub.							

PLO and CO Mapping

	PLO 1	PLO 2	PLO 3	PLO 4	PLO 5	PLO 6	PLO 7	PLO 8	PLO 9
CO 1			٧	٧					
CO 2			٧	٧					
CO 3			٧	٧					