

### FI140 Basic Concepts of Earth and Space

Module name:	Basic Concepts of Earth and Space	
Module level, if applicable:	Undergraduate	
Code:	FI140	
Sub-heading, if applicable:	-	
Classes, if applicable:	-	
Semester:	3 <sup>rd</sup>	
Module coordinator:	Judhistira Aria Utama	
Lecturer(s):	Judhistira Aria Utama and Nanang Dwi Ardi	
Language:	Bahasa Indonesia	
Classification within the curriculum:	Compulsory course	
Type of Teaching	Contact hours per week during the semester	Class Size
1. Lecture (conceptual, contextual and problem-solving approaches through expository, discussions and exercises). 2. Structured activities (assignments based on conceptual, contextual and problem-solving approaches) 3. Self-study (reading literature)	2 hours and 30 minutes	35
Workload:	Total workload is 136 hours (4.8 ECTS) per semester which consists of 150 minutes lectures and a week for geology field camp (1.2 ECTS), 180 minutes structured activities (1.5 ECTS), and 180 minutes self-study per week for 14 weeks (1.5 ECTS), 150 minutes for each exam (0.2 ECTS), and 360 minutes for each exam preparation (0.4 ECTS).	
Credit points:	4.8 ECTS	
Pre-requisites course(s):	-	
Course Learning Outcomes (CLO):	After taking this course the students have ability to:	
	CLO1: Explain Earth structure CLO2: Explain rock and mineral identification CLO3: Explain plate tectonics concept and its measurement CLO4: Explain earthquake mechanism CLO5: Explain volcanism CLO6: Explain hydrosphere character CLO7: Explain atmosphere layer and process CLO8: Explain astronomy as a science observation CLO9: Describe astrometry	



