

MODULE HANDBOOK

PHILOSOPHY OF SCIENCES					
Module/Course Title	Student Workload	Credits	Semester	Frequency	Duration
8720202181	2 CU X 14 X 170'	2 CU 3.18 ECTS	1TH SEMESTER	ONCE YEAR	1 SEMESTER
1	Types of courses LECTURES	Contact hours (2CU X 1,59 ECTS) X{(50:170')X 28,51 Workhours= 26,64	Independent Study (2CU X 1,59 ECTS) X{(60:170')X 28,51 Workhours= 31,96	Structured Study (2CU X 1,59 ECTS) X{(60:170')X 28,51 Workhours= 31,96	Class size MAX 35 STUDENT
2	Prerequisites for participation (if applicable) none				
3	Program Learning outcomes				
	PLO 1 Able to analyze the characteristics of students, the characteristics of the material (content knowledge), plan, evaluate/assess, and arrange follow-up in innovative Geography learning by utilizing various science and technology-based learning resources.				
	PLO 4 Able to apply logical, critical, systematic, and innovative thinking in the field of geography and geography education				
	PLO 5 Able to demonstrate independent and collaborative performance that produces quality and measurable results				
	COURSE LEARNING OUTCOME (CLO) 1. The ability to philosophically analyze student characteristics, material characteristics (content knowledge), plan, evaluate/assess, and develop follow-ups in innovative Geography learning by utilizing various science and technology-based learning resources. 2. Philosophical ability to apply logical, critical, systematic, and innovative thinking in the field of geography and geography education				

	3. Philosophical ability demonstrates independent and collaborative performance that produces quality and measurable results
4	Subject aims/Content 1. Introduction to the philosophy of science 2. Scientific logic, scientific truth and the basis of scientific study 3. Elements of building knowledge 4. Ontology 5. Epistemology 6. Axiology 7. Philosophy of education 8. Philosophy of geography
5	Teaching methods Project Base Learning, Self Direction Learning, Small Group Discussion
6	Assessment methods Portofolio, paper test
7	This module/course is used in the following study programme/s as well -
8	Responsibility for module/course COMPULSORY/ELECTIVE*/
9	Other information 1. Cheek, D. W. (1992). Thinking constructively about science, technology, and society education. New York: State Univerisity of New York Press. 2. Daljoni. 1987. Pengantar Filsafat Geografi. Bandung : Alumni 3. Goldstein, M. dan Goldsteiin, I. F. (1980). How we know. New York: Plenum Press. 4. Ihalauw, J. J. O. I., (2004). Bangunan Teori. Salatiga, Satya Wacana University Press 5. Keraf, Sony.2010. Etika Lingkungan Hidup. Jakarta : Kompas 6. Kuhn, T. S. (Tjun Surjaman). (2000). The structure of scientific revolutions. Bandung: PT. Remaja Rosdakarya 7. Mudhofir; Mustansyir; Soeprpto; Bakry; Hamami, Tjahyadi, (1996). Filsafat Ilmu. Yogyakarta: Liberty – Fakultas Filsafat UGM 8. Matthews, J.A. and Herbert, D.T., (2004). Unifying Geography. Common Heritage, Share Future. London, Routlege Taylor& Francis Group 9. Ravertz, J. R. (2004). Filsafat Ilmu. (Terj: Saud Pasaribu). Yogyakarta: Pustaka Pelajar. 10. Suharyono dan Amien, M., (1994). Pengantar Filsafat Geografi. Jakarta, Departemen Pendidikan dan Kebudayaan 11. Suriasumantri, Jujun. (2002). Filsafat Ilmu: Sebuah Pengantar Populer. Jakarta: Pusaka Harapan 12. Supriyanto, Stefanus. (2013). Filsafat Ilmu. Jakarta: Prestasi Pustaka 13. Titus, H. (1959). Living issues in philosophy. New York: American Book Company