

Universitas Negeri Surabaya Faculty of Social and Legal Sciences Geography Education Masters Study Program

Document Code

Courses	CODE			Cou	ırse Far	nily		Cred	lit We	ght		SEMES	TER	Cor	npilatio e	
Science phyl	871022000)1	Compulsory Study Program Subjects		y 5	T=2	P=0	ECTS=	4.48	1	L	Apri 202	I 28, 3			
AUTHORIZA	TION	SP Develo	SP Developer					se Clus	ter C	ordina	or	Study F	Progra	m Cod	ordinato	
		Dr. Nugroh	o Hari	Purno	mo, M,	Si		Dr. M	ızayan	ah, St	M.T		Dr. Suk		rdana I., M.T.	
Learning model	Project Based L	earning														
Program	PLO study pro	gram that is cha	rged t	o the	cours	е										
Learning Outcomes (PLO)	PLO-5	Able to solve sci on scientific prin		oroblei	ns thro	ugh res	earch	and de	velopn	ent a	tivities ι	sing g	eograph	nic tech	nnolog	y based
	PLO-9	Mastering the dy solve problems of										aches	of geo	graphic	scien	ce to
	Program Object	tives (PO)														
	PO - 1	Have an academ	ic attitu	ide tha	at is inc	lusive a	nd ega	alitariar	ı in var	ous si	uations					
	PO - 2	Mastering the c geography learni		of sc	ience I	building	in ge	eneral	and sy	nthes	zing the	posit	ion of	geogra	phic s	cience
	PO - 3	Able to think rationally to achieve meaning.														
	PO - 4	Able to interpret					ograpl	ny learr	ning.							
		Able to interpret		phy in	develo	ping ged			ning.							
	PO - 4	Able to interpret			develo	ping ged	ograph		ning.							
	PO - 4	P.O PO-1		phy in	develo	ping ged			ning.							
	PO - 4	P.O PO-1 PO-2		phy in	develo	ping ged			ning.							
	PO - 4	P.O PO-1 PO-2 PO-3		phy in	develo	ping ged			ning.							
	PO - 4	P.O PO-1 PO-2		phy in	develo	ping ged			ning.							
	PO - 4 PLO-PO Matrix	P.O PO-1 PO-2 PO-3	philoso	PLC	develo	ping ged			ning.							
	PO - 4 PLO-PO Matrix	P.O PO-1 PO-2 PO-3 PO-4	philoso	PLC	develo	ping ged										
	PO - 4 PLO-PO Matrix	P.O PO-1 PO-2 PO-3 PO-4	arning	PLO	D-5	ping ged	PLO-S)	W	eek) 11	12	12	14	15	16
	PO - 4 PLO-PO Matrix	P.O PO-1 PO-2 PO-3 PO-4	philoso	PLC	D-5	ping ged					0 11	12	13	14	15	16
	PO - 4 PLO-PO Matrix	P.O PO-1 PO-2 PO-3 PO-4 PO-A	arning	PLO	D-5	ping ged	PLO-S)	W	- 1	0 11	12	13	14	15	16
	PO - 4 PLO-PO Matrix	P.O PO-1 PO-2 PO-3 PO-4 Pe end of each le	arning	PLO	D-5	ping ged	PLO-S)	W	- 1	0 11	12	13	14	15	16
	PO - 4 PLO-PO Matrix	P.O PO-1 PO-4 PO-1 PO-4 PO-1 PO-1 PO-1 PO-1 PO-2	arning	PLO	D-5	ping ged	PLO-S)	W	- 1) 11	12	13	14	15	16
Short Course Description	PO - 4 PLO-PO Matrix PO Matrix at the	P.O PO-1 PO-2 PO-3 PO-4 e end of each le P.O PO-1 PO-1 PO-2 PO-3	arninį 1	PLO	D-5	ping ged	PLO-9	7	W 8 !) 1						

- Ihalauw, J. J. O. I., (2004). Bangunan Teori . Salatiga, Satya Wacana University Press 2) Suharyono dan Amien, M., (1994).
 Pengantar Filsafat Geografi . Jakarta, Departemen Pendidikan dan Kebudayaan 3) Matthews, J.A. and Herbert, D.T., (2004).
 Unifying Geography. Common Heritage, Share Future . London, Routlege Taylor& Francis Group 4) The Liang Gie. (1999).
 Pengantar Filsafat Ilmu. Yogyakarta: Liberty 5) Suriasumantri, Jujun. (2002). Filsafat Ilmu: Sebuah Pengantar Populer .
 Jakarta: Pusaka Harapan 6) Supriyanto, Stefanus. (2013). Filsafat Ilmu . Jakarta: Prestasi Pustaka 7) O'neil, William F., (2001). Ideologi-ideologi Pendidikan . Penerjemah : Omi Intan Naomi. Pustaka Pelajar :Yogyakarta 8) Mudhofir; Mustansyir; Soeprapto; Bakry; Hamami, Tjahyadi, (1996). Filsafat Ilmu . Yogyakarta: Liberty Fakultas Filsafat UGM 9) Keraf, Sony.2010. Etika LingkunganHidup. Jakarta : Kompas 10) Daljoni. 1987. Pengantar Filsafat Geografi. Bandung : Alumni
- 2. Daljoni. 1987. Pengantar Filsafat Geografi. Bandung : Alumni
- Mudhofir; Mustansyir; Soeprapto; Bakry; Hamami, Tjahyadi, (1996). Filsafat Ilmu. Yogyakarta: Liberty Fakultas Filsafat UGM
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- 5. Ravertz, J. R. (2004). Filsafat Ilmu. (Terj: Saud Pasaribu). Yogyakarta: Pustaka Pelajar.
- 6. Suharyono dan Amien, M., (1994). Pengantar Filsafat Geografi. Jakarta, Departemen Pendidikan dan Kebudayaan
- 7. Supriyanto, Stefanus. (2013). Filsafat Ilmu. Jakarta: Prestasi Pustaka

Supporters:

- 1. The Liang Gie. (1999). Pengantar Filsafat Ilmu. Yogyakarta: Liberty
- Cheek, D. W. (1992). Thinking constructively about science, technology, and society education. New York: State University of New York Press.

Supporting lecturer

Prof. Dr. Maria Veronika Roesminingsih, M.Pd. Prof. Dr. Ketut Prasetyo, M.S. Dr. Nugroho Hari Purnomo, S.P., M.Si.

Help Learning, Learning methods, Final abilities of **Evaluation** Student Assignments,
[Estimated time] Learning materials each learning Assessment Weekstage (Sub-PO) Weight (%) References Indicator Criteria & Form Online (online) offline (1) (2) (3) (4) (5) (6) (7) (8)

1	Understand	, Evolain	Critoria	Looture	Dronoro o current	Motorial: 46 -	100/
1	Understand philosophy,	Explain philosophy	Criteria: Assignment weight:	Lecturer makes	Prepare a summary in the form of a paper	Material: the essence of	10%
	philosophy of life, and environmental	Explain	25%Performance	presentations,	about the meaning of	philosophy	
	philosophy	philosophy of life Explain	weight: 25%Knowledge	and facilitates	knowledge, science	Reference:	
		environmental	weight: 50%	class discussions	and philosophy along with examples	Ihalauw, JJOI, (2004). Theory	
		philosophy	Forms of	and questions	2 x 50	Building.	
			Assessment :	and answers.		Salatiga,	
			Participatory Activities,	Continuing		Satya Wacana	
			Project Results	with the Student		University Press 2)	
			Assessment / Product Assessment, Portfolio	Group		Suharyono	
			Assessment	preparing		and Amien,	
				articles, presentations,		M., (1994). Introduction to	
				the lecturer		the Philosophy	
				facilitates		of Geography.	
				class discussions		Jakarta, Department of	
				and		Education and	
				2 X 50		Culture 3)	
				questions and		Matthews, JA	
				answers		and Herbert, DT, (2004).	
						Unifying	
						Geography.	
						Common Heritage,	
						Share Future.	
						London, Route	
						Taylor & Francis Group	
						4) The Liang	
						Ğie. (1999).	
						Introduction to	
						the Philosophy of Science.	
						Yogyakarta:	
						Liberty 5)	
						Suriasumantri, Jujun. (2002).	
						Philosophy of	
						Science: A	
						Popular	
						Introduction. Jakarta:	
						Heritage of	
						Hope 6)	
						Supriyanto, Stefanus.	
						(2013).	
						Science	
						phylosophy .	
						Jakarta: Achievement	
						Library 7)	
						Oʻneil, William	
						F., (2001). Educational	
						ideologies.	
						Translator:	
						Omi Intan Naomi.	
						Student	
						Library:	
						Yogyakarta 8) Mudhofir;	
						Mustansyir;	
						Soeprapto;	
						Bakry;	
						Hamami, Tjahyadi,	
						(1996).	
						Science	
						phylosophy . Yogyakarta:	
						Liberty –	
						Faculty of	
						Philosophy	
						UGM 9) Keraf, Sony.2010.	
						Environmental	
						Ethics. Jakarta	
						: Kompas 10)	
						Daljoni. 1987. Introduction to	
						the Philosophy	
						of Geography.	
						Bandung: Alumni	
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2	Understand the development of science and understand the relationship between science, technology and culture	Explain the development of science. Explain science, technology, culture	Criteria: Assignment weight: 25%Performance weight: 25%Knowledge weight: 50% Form of Assessment : Participatory Activities	Lecturer makes presentations, and facilitates class discussions and questions and answers. Continuing with the Student Group preparing articles, presentations, the lecturer facilitates class discussions and 2 X 50 questions and answers	Prepare a summary in the form of a paper about the meaning of knowledge, science and philosophy along with examples 2 x 50	Material: Philosophy of geography Bibliography: Daljoni. 1987. Introduction to the Philosophy of Geography. Bandung: Alumni	6%
3	Understand scientific logic, understand scientific truth, and the basis for scientific research	Explain scientific logic Explain scientific truth Explain the basis of scientific research	Criteria: Assignment weight: 25%Performance weight: 25%Knowledge weight: 50% Forms of Assessment: Participatory Activities, Project Results Assessment / Product Assessment, Portfolio Assessment	Lecturer makes presentations, and facilitates class discussions and questions and answers. Continued: Student groups prepare articles, presentations, lecturers facilitate class discussions and questions and answers 2 X 50	Prepare a summary in the form of a paper about the meaning of knowledge, science and philosophy along with examples 2 x 50	Material: philosophy of science Literature: Mudhofir; Mustansyir; Soeprapto; Bakry; Hamami, Tjahyadi, (1996). Science phylosophy. Yogyakarta: Liberty – Faculty of Philosophy UGM	6%
4	Understand the tools of scientific thinking, scientific methods, and scientific ethics	Explain the tools of scientific thinking . Explain the scientific method Explain the ethics of science	Criteria: Assignment weight: 25%Performance weight: 25%Knowledge weight: 50%	Lecturer makes presentations, and facilitates class discussions and questions and answers. Continuing with the Student Group preparing articles, presentations, the lecturer facilitates class discussions and 2 X 50 questions and answers	Prepare a summary in the form of a paper about the meaning of knowledge, science and philosophy along with examples 2 x 50	Material: scientific thinking, scientific methods, and science ethics References: Ravertz, JR (2004). Science phylosophy. (Translated: Saud Pasaribu). Yogyakarta: Student Library.	6%
5	Understand the objectivity of science and theory building	Explaining the objectivity of science. Explaining theory building	Criteria: Assignment weight: 25%Performance weight: 25%Knowledge weight: 50% Form of Assessment : Participatory Activities	Lecturer makes presentations, and facilitates class discussions and questions and answers. Continuing with the Student Group preparing articles, presentations, the lecturer facilitates class discussions and 2 X 50 questions and answers	Prepare a summary in the form of a paper about the meaning of knowledge, science and philosophy along with examples 2 x 50	Material: scientific objectivity and theory building References: Ravertz, JR (2004). Science phylosophy. (Translated: Saud Pasaribu). Yogyakarta: Student Library.	6%

6	Understand concepts and propositions	· Explaining concepts · Explaining propositions Exemplifying concepts and propositions	Criteria: Assignment weight: 25%Performance weight: 25%Knowledge weight: 50% Form of Assessment : Participatory Activities, Portfolio Assessment	presentations, as well as facilitating class discussions and questions and answers. Continuing with the Student Group preparing articles, presentations, the lecturer facilitates class discussions and questions and answers 2 X 50	Prepare a summary in the form of a paper about the meaning of knowledge, science and philosophy along with examples 2 x 50	Material: concepts and propositions Library: The Liang Gie. (1999). Introduction to the Philosophy of Science. Yogyakarta: Liberty	6%
7	Understand theories and paradigms	Explaining theories Explaining paradigms Exemplifying theories and paradigms	Criteria: Assignment weight: 25%Performance weight: 25%Knowledge weight: 50% Form of Assessment : Participatory Activities, Portfolio Assessment	Lecturer makes presentations, and facilitates class discussions and questions and answers. Continuing with the Student Group preparing articles, presentations, the lecturer facilitates class discussions and 2 X 50 questions and answers	Prepare a summary in the form of a paper about the meaning of knowledge, science and philosophy along with examples 2 x 50	Material: theory and paradigm Reference: Suharyono and Amien, M., (1994). Introduction to the Philosophy of Geography. Jakarta, Department of Education and Culture	6%
8	Students are able to solve UTS questions correctly		Form of Assessment: Test	2 X 50			1%
9	Ontological understanding of education	Explaining the ontology of education	Criteria: Assignment weight: 25%Performance weight: 25%Knowledge weight: 50% Form of Assessment : Participatory Activities	Individual student presentations, lecturer facilitates 2 X 50 discussions	Group discussion; Explanation & discussion of the philosophy of Geography education 2 x50	Material: Ontological education Bibliography: Ravertz, JR (2004). Science phylosophy. (Translated: Saud Pasaribu). Yogyakarta: Student Library.	6%
10	Epistemological understanding of education	Explaining educational epistemology	Criteria: Assignment weight: 25%Performance weight: 25%Knowledge weight: 50% Form of Assessment: Project Results Assessment / Product Assessment	Individual student presentations, lecturer facilitates class discussion and questions and answers 2 X 50	Group discussion; Explanation & discussion of the philosophy of Geography education 2 x 50	Material: Educational epistemologies References: Cheek, DW (1992). Thinking constructively about science, technology, and society education. New York: State University of New York Press.	6%

11	Axiological understanding of education	Explaining educational axiology	Criteria: Assignment weight: 25%Performance weight: 25%Knowledge weight: 50% Forms of Assessment : Participatory Activities, Project Results Assessment / Product Assessment, Portfolio Assessment	Individual student presentations, lecturer facilitates class discussion and questions and answers 2 X 50	Group discussion; Explanation & discussion of the philosophy of Geography education 2 x50	Material: Axiological education Reference: Cheek, DW (1992). Thinking constructively about science, technology, and society education. New York: State University of New York Press.	8%
12	Ontological understanding of geography	Explaining ontological geography	Criteria: Assignment weight: 25%Performance weight: 25%Knowledge weight: 50% Form of Assessment : Participatory Activities	Individual student presentations, lecturer facilitates class discussion and questions and answers 2 X 50	Group discussion; Explanation & discussion of the philosophy of Geography education 2 x 50	Material: Ontological geography Reference: Suharyono and Amien, M., (1994). Introduction to the Philosophy of Geography. Jakarta, Department of Education and Culture	8%
13	Epistemological understanding of geography	Explaining epistemological geography	Criteria: Assignment weight: 25%Performance weight: 25%Knowledge weight: 50% Forms of Assessment : Participatory Activities, Project Results Assessment / Product Assessment, Portfolio Assessment	Individual student presentations, lecturers facilitate class discussions and questions and answers24 2 X 50	Group discussion; Explanation & discussion of the philosophy of Geography education 2 x 50	Material: Epistemology of geography Bibliography: Supriyanto, Stefanus. (2013). Science phylosophy. Jakarta: Library Achievement	8%
14	Axiological understanding of geography	Explaining axiological geography	Criteria: Assignment weight: 25%Performance weight: 25%Knowledge weight: 50% Forms of Assessment : Participatory Activities, Project Results Assessment / Product Assessment, Portfolio Assessment	Individual student presentations, lecturer facilitates class discussion and questions and answers 2 X 50	Group discussion; Explanation & discussion of the philosophy of Geography education 2 x 50	Material: Axiological geography Reference: Suharyono and Amien, M., (1994). Introduction to the Philosophy of Geography. Jakarta, Department of Education and Culture	8%
15	Understand the development of educational philosophy and the development of geographical philosophy	Explain the development of the philosophy of education. Explain the development of the philosophy of geography	Criteria: Assignment weight: 25%Performance weight: 25%Knowledge weight: 50% Forms of Assessment: Participatory Activities, Project Results Assessment / Product Assessment, Portfolio Assessment	Individual student presentations, lecturer facilitates class discussion and questions and answers 2 X 50	Group discussion; Explanation & discussion of the philosophy of Geography education 2 x 50	Material: Development of philosophy of education and Development of philosophy of geography Reference: Suharyono and Amien, M., (1994). Introduction to the Philosophy of Geography. Jakarta, Department of Education and Culture	8%
16	UAS		Form of Assessment	2 X 50			6%
			: Test				

Evaluation Percentage Recap: Project Based Learning

Γ	No	Evaluation	Percentage
Γ	1.	Participatory Activities	48.01%
Γ	2.	Project Results Assessment / Product Assessment	22.01%

3.	Portfolio Assessment	22.01%
4.	Test	7%
		99.03%

Notes

- Learning Outcomes of Study Program Graduates (PLO Study Program) are the abilities possessed by each Study
 Program graduate which are the internalization of attitudes, mastery of knowledge and skills according to the level of their
 study program obtained through the learning process.
- 2. The PLO imposed on courses are several learning outcomes of study program graduates (CPL-Study Program) which are used for the formation/development of a course consisting of aspects of attitude, general skills, special skills and knowledge.
- Program Objectives (PO) are abilities that are specifically described from the PLO assigned to a course, and are specific to the study material or learning materials for that course.
- 4. **Subject Sub-PO (Sub-PO)** is a capability that is specifically described from the PO that can be measured or observed and is the final ability that is planned at each learning stage, and is specific to the learning material of the course.
- 5. **Indicators for assessing** abilities in the process and student learning outcomes are specific and measurable statements that identify the abilities or performance of student learning outcomes accompanied by evidence.
- Assessment Criteria are benchmarks used as a measure or measure of learning achievement in assessments based on
 predetermined indicators. Assessment criteria are guidelines for assessors so that assessments are consistent and
 unbiased. Criteria can be quantitative or qualitative.
- 7. Forms of assessment: test and non-test.
- 8. **Forms of learning:** Lecture, Response, Tutorial, Seminar or equivalent, Practicum, Studio Practice, Workshop Practice, Field Practice, Research, Community Service and/or other equivalent forms of learning.
- 9. Learning Methods: Small Group Discussion, Role-Play & Simulation, Discovery Learning, Self-Directed Learning, Cooperative Learning, Collaborative Learning, Contextual Learning, Project Based Learning, and other equivalent methods.
- 10. Learning materials are details or descriptions of study materials which can be presented in the form of several main points and sub-topics.
- 11. The assessment weight is the percentage of assessment of each sub-PO achievement whose size is proportional to the level of difficulty of achieving that sub-PO, and the total is 100%.
- 12. TM=Face to face, PT=Structured assignments, BM=Independent study.