



**MINISTRY OF RESEARCH, TECHNOLOGY AND HIGHER
EDUCATION
YOGYAKARTA STATE UNIVERSITY
GRADUATE PROGRAM**

SEMESTER LESSON PLAN

Study Program : Applied Linguistics and Indonesian Language and Literature Education
Course : Philosophy of Science **Code : PAS 201** **Credits : 2**
Semester : 1
Prerequisites : -
Lecturer : Prof. Darmiyati Zuchdi

Course Description :

This course discusses the following topics: basic concepts and the field of study of philosophy of science; methodological paradigm and approach of science development, foundations of ontology, epistemology, and axiology in science development; the relation between science and technology development and cultural/civilization advancement; academic ethics; the religious dimension of science development; as well as the application of the use of foundations of science development in the studies/research on applied linguistics/language and literature education.

Learning Outcomes

a. Religious Attitudes and Behaviors

Students have religious attitudes and behaviors: praying orally or in written form at the beginning and end of class, conducting the assignments and the examinations, saying and answering greetings, practicing prayers according to the respective faith willingly.

b. Humanist Attitudes and Behaviors

Students who behave honestly, respect others, being responsible, discipline and caring in the learning process and in conducting independent or group assignments.

c. Academic Competencies

Students master the basic concepts and the field of study of the philosophy of science; understand methodological paradigm and approach of science development; conduct a critical and creative analysis on the science and technology development issues related to cultural/civilization advancement use the foundations of ontology, epistemology, and axiology in developing science; think using the mathematical logic, linguistic logic, philosophical logic, and pragmatic logic in the academic study of applied linguistics/language and literature education; as well as demonstrate the commitment to behave ethically and do not violate any norms in producing academic works in the field of linguistics/language and literature education.

Learning Stages

Meeting	Competency	Topic	Learning Method	References
I 100 minutes	Introduction: Understanding the Semester Lesson Plan	Semester Lesson Plan	Question and answer	Semester Lesson Plan
II 100 minutes	a, b, and c. Understanding the concept and function of the philosophy of science	The definition and function of the philosophy of science	Class discussion	A. 1, 2, 3
III 100 minutes	a, b, and c. Understanding the history of the philosophy of science development	Philosophy of science in the ancient time, middle age, and modern age	Lecture and question and answer	A. 1, 2, 3
IV 100 minutes	a, b, and c. Understanding the paradigm of science development	Paradigm and approaches of science development	Group discussion and debate	B 1, 2
V 100 minutes	a, b, and c. . Understanding in a critical and creative manner the relation between science and technology and cultural/civilization advancement	the relation between science and technology and cultural/civilization advancement	Lecture and question and answer	A 1, 2; B 4
VI 100 minutes	a, b, and c. Understanding in a critical manner the substance of the philosophy of science	(1) Fact, reality, and data, (2) truth, (3) confirmation, and (4) inference logic.	Group discussion	A 1

VII 100 minutes	a, b, and c. Understanding the interrelation between the philosophy of science and the philosophy of language as the key of analysis	Philosophy as language analysis, discovering truth through language, the logic of language, imagination and language, language and thought, symbol and language	Group discussion	A 1,2,3 and B 2,3
VIII 100 minutes	a, b, and c. Understanding the types of logic	Types of logic: mathematical, linguistic, philosophical, pragmatic, postmodern	Group discussion	A 1, 2, 3
IX 100 minutes	a, b, and c. . Understanding in a critical manner the elements of methodology	Methodological elements: Interpretation, induction, deduction, and verification, historical continuity, comparison, heuristics, analogy, description	Group discussion	A 1, B 1
X 100 minutes.	a, b, and c . Understanding in a critical manner the types of truth in science development	Truth of the senses, logic, intuition, linguistics, transcendental	Group discussion	A I, 2, 3
XI	a,b, and c . Understanding in a	Ontological foundation in the	Structured assignment	A 1, 2, 3

100 minutes	critical manner the ontological foundation of science development and its implications in academic research	field of applied linguistics/language and literature education		
XII 100 minutes	a, b, and c . Understanding in a critical manner the epistemological foundation of science development and its implications in academic research	Epistemological foundation in the development of applied linguistics/language and literature education	Structured assignment	A 1, 2, 3
XIII 100 minutes	a, b, and c . Understanding in a critical manner the axiological foundation of science development and its implications in academic research	Axiological foundation of science development, academic ethics, and higher education culture	Structured assignment	A 1, 2, 3
XIV 100 minutes	a, b, and c . Understanding in a critical manner the religious perspective of science development and its implications in academic research	Religious perspectives in science development	Structured assignment	A1 and other relevant literatures
XV 100 minutes	a, b, and c . Demonstrating the ability to implement the	Writing academic works using the foundations of ontology,	Structured assignment	All references

	academic procedure and ethics in the form of academic works in the field of applied linguistics/language and literature education	epistemology, and axiology in the field of applied linguistics/language and literature education		
XVI 100 minutes	a, b, and c . Applying the philosophy of science in the form of academic works	Apply the philosophy of science in writing academic works	Final Examination	All references

IV. Assessment

1. Class Participation	15%
2. Assignments	25%
3. Mid-term Examination	35%
4. Final Examination	35%
Total	100%

V. List of References

A. Compulsory References

1. Majelis Luhur Persatuan Taman Siswa (2013). *Ki Hadjar Dewantara: Pemikiran, Konsepsi , Keteladanan, Sikap Merdeka. Buku II Kebudayaan*. Yogyakarta: UST Press bekerjasama dengan Majelis Luhur Persatuan Tamansiswa.
2. Muhadjir, Noeng. 2006. *Filsafat Ilmu*. Yogyakarta: Rake Sarasin.
3. Rukiyati dan Darmiyati Zuchdi (2016). *Filsafat Ilmu*. Yogyakarta: Universitas Negeri Yogyakarta.
4. Surajio. 2009. *Filsafat Ilmu & Perkembangannya di Indonesia*. Jakarta: PT Bumi Aksara.
5. Suriasumantri, S. Jujun. 2007. *Filsafat Ilmu: Sebuah Pengantar Populer*. Jakarta: Pustaka Sinar Harapan.

B. Additional References

1. Cresswell, J. W. (2003). *Research Design : Qualitative, Quantitative, and Mixed Methods Approaches*. Thousand Oaks, California: Sage Publications, Inc.
2. Denzin, N. K, & Lincoln, Y. S. (1994). *Handbook of Qualitative Research*. Thousand Oaks, California: Sage Publications.
2. Djojuroto, KInajati. 2007. *Filsafat Bahasa*. Yogyakarta: Pustaka Books Publisher.
3. Kaelan. 2006. *Perkembangan Filsafat Analitika Bahasa*. Yogyakarta: Paradigma.

Head of Study Program

Yogyakarta, September 4, 2017
Lecturer

Prof. Dr. Pratomo Widodo

Prof. Darmiyati Zuchdi, Ed. D.