

Module Handbook

Module Name:	Science Philosophy
Module Level:	Bachelor
Abbreviation, if applicable:	PHT101
Sub-heading, if applicable:	-
Courses included in the module, if applicable:	-
Semester/term:	Odd (3 rd semester)
Module coordinator(s):	MKWU Teaching Staff
Lecturer(s):	MKWU Teaching Staff
Language:	Bahasa Indonesia
Classification within the curriculum	Compulsory Course / Elective Studies
Teaching format / class hours per week during semester:	300 minutes/ week
Workload:	100 min lecture + 100 min structural assignment + 100 min self-assignment x 13 weeks; total 3900 min = 65 hours 65/25 = 2.6 ECTS
Credit Points:	2
Requirements:	-
Learning goals/competencies:	<p>General Competence (Knowledge) Students are able to explain the nature of knowledge and science, as well as explain the ontology, epistemology, and Axiology of natural science correctly.</p> <p>Specific Competence:</p> <ol style="list-style-type: none"> 1. Able to explain the history of science philosophy 2. Able to explain the relation between philosophy, science philosophy, and science 3. Able to explain the role of science philosophy in science development 4. Able to explain the role of scientific thought to diversity of science 5. Able to explain the fundamental knowledge (ontology, epistemology, and axiology) 6. Able to make a scientific papers by using scientific thought method 7. Able to explain the truth 8. Able to explain the correlation between culture and science technology 9. Able to explain the correlation between ethics and science
Content:	History of science philosophy; the correlation between philosophy, science philosophy and science; the role of science philosophy in science development; the role of scientific thought to diversity of science; the fundamental knowledge (ontology, epistemology, and axiology); methods of scientific thinking; explain the truth; the correlation between culture and science technology; ethics and science.
Attribute soft skill	Discipline and argumentation

Study/exam achievements:	<p>Students are considered to be competent and pass if at least get 40 of maximum mark of the exams (UTS and UAS), structured activity (group discussion).</p> <p>Final score (NA) is calculated as follow: 20% paper project+35% midterm + 35% final exam + 10% soft skill</p> <p>Final index is defined as follow:</p> <p>A : 75 – 100 AB : 70 - 74.99 B : 65 - 69.99 BC : 60 - 64.99 C : 55 - 59.99 D : 40 - 54.99 E : 0 - 39.99</p>
Forms of Media:	Slides and LCD projectors, whiteboards
Learning Methods	Class and discussion
Literature	-
Notes	-