

MODULE HANDBOOK

Course:	Science Philosophy
Module Level:	Bachelor
Code:	PHT101
Sub-heading, if applicable:	-
Courses included in the module, if applicable:	-
Semester/Term:	3 rd / Second year
Module Coordinator:	Prof. Dr. Retna Apsari, M.Si
Lecturer(s):	Prof. Dr. Retna Apsari, M.Si and Dr. Aminatun, M.Si
Language:	Bahasa Indonesia
Classification within the Curriculum:	Compulsory Course / Elective Studies
Teaching format / class hours per week during semester:	2 hours lectures (50 min / hour)
Workload:	2 hours lectures, 2 hours structural activities, 2 hours individual study, 13 weeks per semester, and total 78 hours per semester ~ 2.6 ECTS*
Credit Points:	2
Requirement(s):	-
Learning Goals/Competencies:	<p>General Competence (Knowledge): After participating in this course, students can identify the basic knowledge or scientific reason of certain scientific phenomenon, according to scientific principles and understanding.</p> <p>Specific Competence:</p> <ol style="list-style-type: none"> 1. Students are able to apply scientific principles of logical thinking in any assessment of the existing problems 2. Students are able to make the philosophical concept as a tool for theoretical basic in reading and understanding every problem of science and society
Contents:	Understanding Philosophy of Science, History of philosophy of science, The role of philosophy of science in the development of science, The role of scientific mindset to diversity sciences, The cornerstone of the study of science: ontology; epistemology; and axiology, scientific thinking methods, Ethics and Aesthetics, The relationship among philosophy with religion, education and culture
Soft Skill Attribute	Leadership, communication, ethics and effort.
Study/Exam Achievements:	<p>Final score is calculated as follow: 15% assignment 1 + 15% assignment 2 + 35% midterm exam + 35% final exam</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:	Powerpoints slides, LCD projectors and whiteboards
Learning Methods:	Lectures and assessments

Literature(s):	<ol style="list-style-type: none"> 1. Setiawan, Budi; Mohamad Adib; dan Listiyono Santoso, 2013, <i>Filsafat Ilmu, Pengantar Berpikir Ilmiah</i>, Surabaya:AUP 2. Adib, M. 2010, <i>Filsafat Ilmu: Ontologi, Epistemologi, Aksiologi dan Logika Ilmu Pengetahuan</i>, Yogyakarta: Pustaka Pelajar 3. Hamersma, Harry, <i>Pintu Masuk ke Dunia Filsafat</i>. Yogyakarta, 1984. Cetakan ketiga. 4. Keraf, A. Sonny dan Mikhael Dua, <i>Ilmu Pengetahuan: Sebuah Tinjauan Filosofis</i>. Yogyakarta: Penerbit Kanisius, 2001. Cetakan kelima. 5. Lanur, Alex , <i>Logika: Selayang Pandang</i>. Yogyakarta: Penerbit Kanisius, 1994. Cetakan kesepuluh. 6. Van Melsen, A.G. M. , <i>Ilmu Pengetahuan dan Tanggung Jawab Kita</i>. Jakarta: PT. Gramedia, 1992. Cetakan kedua.
Notes:	<p>*Total ECTS ={(total hours workload x 50min)/60 min}/25 hours each ECTS is equals with 25 hours</p>